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The Royal Sanitary Institute

## MONTHLY RETURNARY.

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

JANUARY 1936.

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### REPORT

During the month of January 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,136 living children, of whom 2,108 were males and 2,028 were females. Compared with the number in the previous month, births of male children are 213 more, of female children 167 more, and of children of both sexes 380 more. The monthly birth-rate in these towns taken collectively was 19·2 per thousand. This rate is 1·7 more than that for the previous month, and is 0·1 above the average.

In the individual towns the monthly birth-rate ranged from 27·2 in Kilmarnock, 24·8 in Coatbridge, and 20·9 in Hamilton, to 14·0 in Perth, 14·3 in Falkirk, and 14·4 in Clydebank. In Glasgow it was 20·5, in Motherwell and Wishaw 20·3, in Aberdeen 19·7, in Dundee 19·1, in Paisley 18·7, in Greenock 18·4, in Edinburgh 16·7, in Ayr 16·7, in Kirkcaldy 16·1, and in Dunfermline 15·6.

Of the 4,136 living children whose births were registered during the month, 3,906 or 94·4 per cent. were legitimate, while 230 or 5·6 per cent. were illegitimate. The legitimate children numbered 409 more than in the previous month, but the illegitimate children 29 fewer. The illegitimate rate for the month is 1·3 below that for the previous month. In the individual towns it ranged from 16·2 in Hamilton, 8·5 in Clydebank, 6·1 in Glasgow, and 6·1 in Motherwell and Wishaw, to 0 in Falkirk, 1·8 in Ayr, and 2·2 in Kilmarnock. In Edinburgh the rate was 5·3.

Marriages registered during the month numbered 2,031 and are 602 fewer than in the previous month. The marriage-rate, 9·4 per thousand, is 2·8 below that for the previous month and 0·4 below the average. In the individual towns it ranged from 15·1 in Coatbridge, 12·1 in Falkirk, and 12·0 in Hamilton, to 5·6 in Greenock, 7·1 in Aberdeen, and 8·3 in Perth. In Glasgow the rate was 9·6 and in Edinburgh 9·0.

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

EDINBURGH

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Deaths registered in these towns during the month numbered 4,197 and are 269 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,894, of whom 1,961 were males and 1,933 were females. The corrected number is 299 more than in the previous month, males being 152 more and females 147 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 18·1 per thousand, being 1·4 above that for the previous month and 2·0 above the average. In the towns taken individually the death-rate ranged from 20·0 in Greenock, 19·5 in Glasgow, and 19·0 in Paisley, to 13·2 in Ayr, 14·0 in Perth, and 14·5 in Kilmarnock. In Dundee the rate was 18·5, in Hamilton 17·5, in Edinburgh 17·0, in Motherwell and Wishaw 16·9, in Kirkcaldy 16·9, in Aberdeen 16·5, in Clydebank 15·8, in Falkirk 15·2, in Coatbridge 14·8, and in Dunfermline 14·6.

Deaths of children of less than one year old numbered 550, and equalled an infantile mortality rate of 139 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 54 more than in the previous month, while the rate is 14 more than in that month and 28 above the average. In the individual towns this rate ranged from 221 in Greenock, 201 in Paisley, and 193 in Dundee, to 63 in Dunfermline, 65 in Perth, and 84 in Edinburgh. In Motherwell and Wishaw it was 189, in Hamilton 181, in Kirkcaldy 161, in Glasgow 148, in Coatbridge 120, in Kilmarnock 106, in Clydebank 105, in Aberdeen 100, in Falkirk 96, and in Ayr 91.

Deaths from the principal epidemic diseases numbered 150 and equalled a death-rate of 0·7 per thousand. These deaths are 15 more than in the previous month, and the rate is 0·1 more. They include 1 from typhoid fever, 10 from measles, 6 from scarlet fever, 14 from whooping-cough, 16 from diphtheria, 80 from influenza, 6 from cerebro-spinal fever, and 17 from other epidemic diseases, 7 of which were ascribed to lethargic encephalitis, 6 to erysipelas, and 4 to dysentery. Compared with the number in the previous month deaths from typhoid fever are 6 fewer, from measles 2 more, from scarlet fever 4 fewer, from whooping-cough 2 more, from diphtheria 7 fewer, from influenza 32 more, from cerebro-spinal fever the same, and from other epidemic diseases 4 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 987, and equalled a death-rate of 4·6 per thousand. Compared with the number in the previous month these deaths are 199 more, while the rate is 0·9 more and is 1·2 above the average.

Deaths from all forms of tuberculosis numbered 215, of which 178 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 7 more, but those from respiratory tuberculosis 3 fewer. Compared with the average the former are 8 fewer but the latter 1 more.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JANUARY 1936.

Mean barometric pressure, 29·414 ins.; less than the average\* by 0·483 in.

Mean temperature, 36°·4 F.; less by 2°·6 F.

Mean daily range of temperature, 8°·8 F.; less by 0°·1 F.

Mean daily sunshine 1·40 hours; greater by 0·20 hours.

Rain, depth in inches, 4·31; greater by 1·30 ins.

Wind, direction of: a three days' excess of E. or S.E. winds.

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

A complex depression covered the British Isles during 1st and 2nd giving rather wet conditions. Unsettled conditions with moderate to strong S. or S.E. winds were maintained until the evening of 9th, when another deep depression began to move north-eastwards across Scotland, giving westerly gales and afterwards moderate N.W. winds in its rear. These winds and low temperatures continued until 15th under the influence of an anticyclone which moved gradually over Britain to the continent. Thereafter, until about 24th, polar air drifted over Scotland. Within this period one deep depression crossed northern England and southern Scotland causing over most of Scotland the most severe snowstorm which had occurred for a number of years. After this, depressions over Ireland and the Bay of Biscay induced a drift of less cold air from S.E. over the country and this was changed to S. or S.W. after 26th by a large low pressure system over the Atlantic. At Edinburgh the extremes of pressure were 30.38 ins. on 14th and 28.40 ins. on 9th.

Temperature was again below normal, though not by so much as in December. The last occasion on which two successive winter months had temperatures so much below normal was in 1929, when January and February were notably cold. In January 1936 the departures from normal were at most places between 2° and 3°. Generally the highest temperatures up to 52°F. occurred on 9th or 10th. Frost occurred generally from about 11th to 26th. The lowest screen minima were for the most part between 17th and 20th, screen temperatures of 6°F. at Logie Coldstone, 7°F. at Braemar and Balmoral, and 8°F. at Dalwhinnie being recorded. Frosts on the ground occurred at one place or another on every night except 6th, 7th and 10th, and very generally from 11th until the end, very low temperatures being reached between 17th and 20th, in particular 0°F. at Braemar on 20th, 3°F. at Balmoral on 20th and again on 22nd, and 6°F. to 14°F. at a number of places.

Practically everywhere westward of a line drawn from about Greenock to Durness in Sutherland rainfall was below normal, but over the remainder of the country very considerably above normal. In relation to normal the highest percentages (200 to 224 per cent.) were reached along the east coast from Edinburgh to Aberdeen, whilst the lowest—around 33 per cent.—were along the Caledonian Canal. The driest period was in the middle of the month, from about 12th to 18th. There were two periods of fairly heavy rainfall coinciding with rather milder conditions, namely around 5th to 9th and again around 25th and 26th. The heaviest falls reported were 3.34 ins. at Forrest Lodge, Dalry, 2.19 ins. at Glen-crosh, 2.04 ins. at Garroch Gardens, Dalry, 2.04 ins. at Evan Water, 2.00 ins. at Ettrick Manse and 2.10 ins. at Benmore near Dunoon, all on 9th.

The most conspicuous weather event of the month was the snowstorm of 19th to 20th, which was particularly severe on all high ground. In some cases villages were isolated for several days and railway and road traffic generally was seriously disorganized. Even a week later and despite a slight thaw on 25th and 26th, some important roads in the Speyside districts had not been reopened to wheeled traffic. At several places snow occurred on more than 10 days during the month and on high ground it was lying practically from the 11th to the end. Depths, undrifted, following the storm of 19th to 20th were commonly reported in inland districts as being between 6 inches and 9 inches. Thunder was reported from two places in S.W. Scotland on 27th.

Fog was fairly frequent, especially around 1st to 4th, 7th to 8th, 15th to 16th, 19th to 20th, 26th and 29th to 31st. Glasgow had 16, Greenock 12 and Stirling 10 mornings with fog, but generally not more than 6 or 7 mornings were so affected.

Some considerable gales occurred, notably around 9th to 10th and around 20th; at one place or another gales were reported on 12 days.

Sunshine was on the whole above normal, markedly so along the east coast (despite an excess of rain) and in the Hebrides. A few places in west and central districts had deficiencies.

Aurora was noted in northern districts on 21st, 22nd, 23rd, 24th, 26th and 27th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 8.

*Abstract.*TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JANUARY 1936.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.									
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.		Males.		Females.		Legiti- mate.		Illegiti- mate.		MARRIAGES.		REGISTERED		TRANSFERS (Both Sexes.)	
			Both Sexes.	Males.	Females.	Both Sexes.	Males.	Females.	Both Sexes.	Males.	Females.	Both Sexes.	Both Sexes.	Males.	Females.	Both Sexes.	Out.	In.
GLASGOW,	1,088,524	1,124,300	1950	978	972	1831	119	910	1909	1050	949	191	45	1853				
EDINBURGH,	439,010	464,600	657	319	308	622	35	354	754	358	396	103	17	668				
DUNDEE,	175,681	178,700	289	160	139	275	14	160	288	141	147	17	9	280				
ABERDEEN,	169,803	176,400	294	156	138	277	17	106	281	137	144	42	8	247				
PAISLEY,	86,445	89,700	142	65	77	136	6	68	158	71	87	20	6	144				
GREENOCK,	78,949	80,200	125	71	54	120	5	38	138	69	69	7	5	136				
MOTHERWELL AND WISHAW,	64,710	66,400	114	64	50	107	7	54	88	44	39	0	12	95				
CLYDEBANK,	46,952	48,500	59	18	41	54	5	40	43	16	27	4	26	65				
KIRKCALDY,	43,874	44,700	61	30	31	59	2	45	61	37	24	4	7	64				
COATBRIDGE,	43,056	43,800	92	50	42	89	3	56	49	28	21	2	8	55				
KILMARNOCK,	33,681	33,900	92	46	46	90	2	33	50	25	25	8	7	49				
HAMILTON,	37,990	38,400	68	31	37	57	11	39	56	24	32	7	8	57				
AYR,	38,905	40,300	57	29	28	56	1	29	59	30	29	20	6	45				
FALKIRK,	36,568	38,000	46	25	21	46	0	39	65	33	32	18	2	49				
DUNFERMLINE,	35,058	36,300	48	23	25	46	2	35	53	24	29	10	2	45				
PERTH,	34,807	35,500	42	23	19	41	1	25	60	24	36	21	3	42				
TOTAL (SIXTEEN TOWNS)	2,459,011	2,545,700	4136	2108	2028	3906	230	2031	4197	2111	2086	474	171	3894				

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JANUARY 1936.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Respira- tory Diseases (not Tuber.)	Number.	* Rate per 1000 Births.
				All Causes.	Principal Epidemic Diseases.								
GLASGOW,	20·5	6·1	9·6	21·0	19·5	0·8	1·3	1·1	5·4	278	148		
EDINBURGH,	16·7	5·3	9·0	19·2	17·0	0·7	0·8	0·7	3·8	51	84		
DUNDEE,	19·1	4·8	10·6	19·0	18·5	0·3	0·9	0·5	5·0	52	193		
ABERDEEN,	19·7	5·8	7·1	18·8	16·5	0·9	0·5	0·4	2·3	27	100		
PAISLEY,	18·7	4·2	9·0	20·8	19·0	0·4	0·8	0·7	5·8	27	201		
GREENOCK,	18·4	4·0	5·6	20·3	20·0	0·7	0·7	0·7	5·4	31	221		
MOTHERWELL AND WISHAW,	20·3	6·1	9·6	14·8	16·9	0·5	0·7	0·7	4·3	21	189		
CLYDEBANK,	14·4	8·6	9·7	10·5	15·8	0·2	0·5	0·5	5·1	8	105		
KIRKCALDY,	16·1	3·3	11·9	16·1	16·9	0·3	0·8	0·8	2·1	9	161		
COATBRIDGE,	24·8	3·3	15·1	13·2	14·8	0·8	0·5	0·5	4·6	10	120		
KILMARNOCK,	27·2	2·2	9·8	14·8	14·5	0·9	1·5	1·2	3·8	7	106		
HAMILTON,	20·9	16·2	12·0	17·2	17·5	2·5	0·9	0·9	4·3	13	181		
AYR,	16·7	1·8	8·5	17·3	13·2	0·6	0·3	0·3	2·6	5	91		
FALKIRK,	14·3	0·0	12·1	20·2	15·2	0·0	0·9	0·9	2·2	5	95		
DUNFERMLINE,	15·6	4·2	11·4	17·2	14·6	0·7	0·0	0·0	3·6	3	63		
PERTH,	14·0	2·4	8·3	20·0	14·0	0·3	0·7	0·3	2·7	3	65		
TOTAL (SIXTEEN TOWNS)	19·2	5·6	9·4	19·5	18·1	0·7	1·0	0·8	4·6	550	139		

\* Based on the average number of births registered monthly during the past 12 months.

† See column 6 to 18, Table III.

*Aggregate of Sixteen Principal Towns.*

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TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JANUARY 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM										†Infantile Mortality Rate.	Mean Temperature (Seven Towns only)
					*Typhoid Fever.	Mesles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	Other Epidemic Diseases.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		
JAN. 1936, .	19·2	5·6	9·4	18·1	1	10	6	14	16	80	6	17	139	36°·4		
JAN. 1935, .	18·3	5·9	10·7	15·7	1	11	8	65	27	103	3	9	100	40°·5		
JAN. 1934, .	19·8	6·4	10·9	14·4	0	4	19	14	29	31	12	25	94	41°·7		
JAN. 1933, .	18·1	6·1	9·5	20·5	2	4	13	113	18	444	21	23	146	36°·3		
JAN. 1932, .	19·5	5·9	9·2	14·0	0	100	14	11	27	30	12	19	95	43°·2		
JAN. 1931, .	19·9	6·5	8·9	16·4	2	4	9	85	28	42	23	19	118	37°·3		
JAN. 1930, .	21·0	6·9	9·2	15·7	0	79	11	23	36	26	12	24	123	39°·4		
JAN. 1929, .	21·0	6·7	9·2	30·7	0	1	7	81	33	324	15	16	176	35°·1		
JAN. 1928, .	21·3	6·3	10·7	19·0	1	192	11	58	57	60	9	22	142	40°·2		
JAN. 1927, .	20·9	6·1	9·7	15·7	0	10	8	82	81	74	3	13	117	39°·5		
JAN. 1926, .	22·1	6·3	10·6	15·1	1	73	15	28	29	40	2	23	96	40°·0		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
					-1	1	5	10-15	25	35	45	55	65-	75-	85 & over	
1	Typhoid Fever (including Paratyphoid) -	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-
4	Measles -	10	5	5	4	4	1	-	1	-	-	-	-	-	-	-
5	Scarlet Fever -	6	5	3	-	3	1	-	1	1	-	-	-	-	-	-
6	Whooping-cough -	14	9	5	9	9	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	16	5	11	7	9	6	1	-	-	-	-	-	-	-	-
8	Influenza -	80	41	39	7	4	-	1	4	4	9	14	14	17	2	-
14 (1)	Cerebro-spinal Fever -	6	3	3	4	1	1	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	17	8	9	1	-	-	-	1	-	3	2	8	2	-	-
10	Tuberculosis of Respiratory System -	178	107	71	-	1	2	-	39	45	36	30	18	7	-	-
11	Other Tuberculous Diseases -	37	15	22	9	7	3	1	9	6	1	-	1	1	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	15	9	6	3	1	-	-	2	2	2	1	3	1	-	-
15	Cancer, Malignant Disease -	343	174	169	-	1	1	1	1	23	56	88	104	57	6	-
18	Diabetes Mellitus -	48	13	35	-	-	-	-	1	1	2	22	8	-	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	74	26	48	4	1	2	3	5	4	8	13	17	12	5	-
22	Cerebral Haemorrhage, &c. -	324	139	185	1	-	-	-	1	-	5	20	60	130	87	20
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	106	55	51	27	6	2	1	5	5	11	20	12	11	5	1
24	Heart Disease -	702	329	373	-	1	3	8	18	24	65	123	242	187	31	-
25	Other Circulatory Diseases -	69	39	30	-	-	-	1	-	2	6	8	14	33	5	-
26	Bronchitis -	403	182	221	38	8	-	1	2	16	41	67	109	99	22	-
27	Pneumonia (all forms) -	533	307	226	191	69	7	-	9	16	34	44	58	58	38	9
28	Other Respiratory Diseases -	51	26	25	4	2	-	2	-	2	18	7	10	8	3	-
32 (1)	Gastric and Duodenal Ulcer -	37	28	9	-	-	-	-	2	6	12	12	5	-	-	-
29	Diarrhoea, &c. (all ages) -	49	23	26	35	4	-	-	4	1	2	2	1	2	1	-
30	Appendicitis -	25	14	11	1	3	-	9	-	2	3	3	1	3	-	-
31 (1)	Cirrhosis of Liver -	8	3	5	-	-	-	-	1	1	3	3	-	-	-	-
31 (2)	Other Diseases of Liver, &c. -	10	5	5	-	-	-	-	-	-	1	5	4	-	-	-
32 (2)	Other Digestive Diseases -	56	31	25	4	2	3	2	6	2	4	14	9	10	-	-
33	Acute and Chronic Nephritis -	92	43	49	1	1	-	4	3	11	9	25	22	15	1	-
34	Other Dis. of Genito-Urinary System -	42	28	14	2	1	-	-	1	3	3	4	11	8	9	-
35	Puerperal Sepsis -	6	-	6	-	-	-	-	1	4	1	-	-	-	-	-
36	Other Puerperal Causes -	13	-	13	-	-	-	2	9	2	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	17	13	4	-	1	4	-	1	1	-	2	3	1	4	-
38	Congen. Debil., Prem. Birth, Malform., &c.	202	121	81	198	2	2	-	-	-	-	-	-	-	-	-
39	Old Age -	106	39	67	-	-	-	-	-	-	-	2	22	52	30	-
40	Suicide -	27	16	11	-	-	-	-	2	5	6	9	3	2	-	-
42	Other Violence (41) -	117	71	46	10	5	10	4	5	5	13	10	21	16	13	5
43	Causes Ill-defined or Unknown -	54	35	19	1	-	-	-	-	3	8	10	21	9	2	-
ALL CAUSES -		3894	1961	1983	550	141	50	15	115	150	219	385	608	860	664	187

\* See note (†), Table III.

## Causes of Death.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	...	...	1	...	...	...	...
4	Measles	10	1	6	...	3	3	...	1	...
5	Scarlet Fever	6	2	...	...	1	1	...	1	...
6	Whooping-cough	14	4	1	...	3	1	1	1	...
7	Diphtheria	16	4	3	1	3	1	...	1	...
8	Influenza	80	46	15	3	1	1	4	1	1
14 (1)	Cerebro-spinal Fever	6	3	1	...	1	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	17	13	1	1	...	...	...	...	...
10	Tuberculosis of Respiratory System	178	103	28	8	6	5	5	4	2
11	Other Tuberculous Diseases	37	23	4	5	2	1	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	15	6	3	1	3	...	1	...	...
15	Cancer, Malignant Disease	343	140	78	31	21	5	13	10	8
18	Diabetes Mellitus	48	20	9	2	8	...	...	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	74	32	20	3	3	...	3	2	3
22	Cerebral Haemorrhage, &c.	324	135	59	23	29	15	12	5	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	106	47	17	4	7	4	9	4	1
24	Heart Disease	702	302	139	58	52	29	16	16	13
25	Other Circulatory Diseases	69	27	11	2	11	6	3	1	1
26	Bronchitis	403	211	63	20	14	17	14	15	4
27	Pneumonia (all forms)	533	276	79	52	17	25	20	9	16
28	Other Respiratory Diseases	51	29	7	3	3	2	3	1	1
32 (1)	Gastric and Duodenal Ulcer	37	15	5	2	8	...	...	...	...
29	Diarrhoea, &c. (all Ages)	49	34	2	...	...	6	3	2	...
30	Appendicitis	25	8	6	3	2	...	1	...	...
31 (1)	Cirrhosis of Liver	8	7	...	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	10	8	...	...	1	...	...	1	...
32 (2)	Other Digestive Diseases	56	24	9	7	2	3	3	2	1
33	Acute and Chronic Nephritis	92	48	19	1	5	8	2	4	1
34	Oth. Diseases of Genito-Urinary System	42	17	8	6	3	...	4	1	...
35	Puerperal Sepsis	6	5	1	...	...	...	...	...	...
36	Other Puerperal Causes	13	5	4	3	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	17	8	4	1	...	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	202	103	17	22	16	6	7	7	5
39	Old Age	106	39	21	7	6	4	4	2	1
40	Suicide	27	11	4	6	...	1	...	1	...
42	Other Violence (41)	117	56	22	5	10	3	4	4	2
43	Causes Ill-defined or Unknown	54	41	2	...	4	1	2	...	...
	All Causes	3894	1853	668	280	247	144	136	95	65
	AGE AT DEATH.									
Under 1	...	550	278	51	52	27	27	31	21	8
1- 4	...	141	65	17	9	16	6	9	4	1
5- 9	...	50	23	8	4	3	4	1	2	...
10-14	...	15	9	2	...	...	2	1	1	1
15-24	...	115	67	12	4	4	4	2	4	2
25-34	...	150	80	25	9	6	3	4	2	1
35-44	...	219	116	30	17	21	5	11	2	2
45-54	...	385	210	70	23	17	12	7	8	11
55-64	...	608	318	111	36	38	18	9	9	10
65-74	...	860	379	170	64	56	31	35	17	16
75-84	...	664	264	134	47	45	31	18	21	13
85 and over	...	137	44	38	15	14	3	7	4	...
Not stated	...	...	...	...	...	...	...	...	...	...
	All Ages	3894	1853	668	280	247	144	136	95	65

\* See note (+), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—January 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.	
1	Typhoid Fever (including Paratyphoid)	...	...	1	1	1	1	1	1	
4	Measles	...	...	1	4	...	...	...	...	
5	Scarlet Fever	...	...	1	1	...	...	...	...	
6	Whooping-cough	...	...	1	1	...	...	...	...	
7	Diphtheria	...	1	1	1	1	1	1	1	
8	Influenza	...	2	1	2	1	1	2	1	
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	...	
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	1	...	...	1	...	...	...	
10	Tuberculosis of Respiratory System	3	2	4	3	1	3	...	1	
11	Other Tuberculous Diseases	...	...	1	...	...	...	...	1	
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	1	...	...	...	
15	Cancer, Malignant Disease	5	4	3	4	4	6	5	6	
18	Diabetes Mellitus	...	2	...	4	1	1	1	...	
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	...	2	2	...	2	1	1	
22	Cerebral Haemorrhage, &c.	9	3	6	2	7	3	5	6	
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	2	3	...	1	1	3	12	1	
24	Heart Disease	16	7	7	8	9	10	9	11	
25	Other Circulatory Diseases	...	1	1	...	1	4	...	...	
26	Bronchitis	...	5	7	5	8	3	3	9	
27	Pneumonia (all forms)	3	10	8	5	6	3	2	2	
28	Other Respiratory Diseases	...	...	...	1	...	1	...	1	
32 (1)	Gastric and Duodenal Ulcer	1	2	...	1	...	...	...	1	
29	Diarrhoea, &c. (all Ages)	...	...	...	...	...	2	...	...	
30	Appendicitis	...	...	...	1	1	...	1	2	
31 (1)	Cirrhosis of Liver	...	...	...	...	...	...	...	...	
31 (2)	Other Diseases of Liver, &c.	...	...	...	...	...	...	...	...	
32 (2)	Other Digestive Diseases	...	...	1	...	1	1	1	1	
33	Acute and Chronic Nephritis	1	...	...	1	1	1	1	...	
34	Oth. Diseases of Genito-Urinary System	...	2	...	...	...	...	1	...	
35	Puerperal Sepsis	...	...	...	...	...	...	...	...	
36	Other Puerperal Causes	...	1	...	...	...	...	...	...	
37	Dis. of Skin, and of Locomotor System	...	1	...	...	...	1	...	...	
38	Congenital Debility, Premature Birth, Malformations, &c.	...	6	1	2	5	1	1	2	
39	Old Age	...	9	5	...	1	2	4	1	
40	Suicide	...	1	...	1	...	2	...	...	
42	Other Violence (41)	...	1	2	3	1	1	2	...	
43	Causes Ill-defined or Unknown	...	...	1	1	1	...	...	1	
	All Causes	...	64	55	49	57	45	49	45	42
	AGE AT DEATH.									
Under 1	...	...	9	10	7	13	5	5	3	3
1-4	...	...	...	3	2	5	1	1	2	...
5-9	...	...	1	...	...	1	...	1	2	...
10-14	...	...	...	...	...	...	...	...	...	...
15-24	...	...	1	...	4	2	1	4	1	3
25-34	...	...	2	6	1	2	1	6	2	...
35-44	...	...	...	4	3	1	3	...	1	3
45-54	...	...	3	5	6	5	2	4	...	2
55-64	...	10	5	8	8	6	3	7	12	...
65-74	...	16	11	11	11	12	10	10	11	...
75-84	...	18	11	5	9	13	12	17	6	...
85 and over	...	4	...	2	...	1	3	...	2	...
Not stated	...	...	...	...	...	...	...	...	...	...
	All Ages	...	64	55	49	57	45	49	45	42

\* See note (†), Table III.

*Abstract of Meteorological Observations.*

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS  
Made at Eleven of the Principal Towns during the Month of JANUARY 1936.**

OBSERVERS,	Height of Station above Sea-level. feet.	AIR PRESSURE* AT MEAN SEA LEVEL,† Mb. inches.	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.				BRIGHT SUNSHINE.			
			Mean of Maximum (A.)	Mean of Minimum (B.)	Absolute Maximum and Minimum.		Day of Month.	Mean of Vapour Pressure.	Depression of Wet Bulb.	Dry Bulb.	Mean of F.	F.	°F.	Hours per Day.	Daily Mean.	Difference from Average.	Per Cent. of Possible.	
					Maximum.	Minimum.												
					Day of Month.	Mean of A and B (Mean Temperature).												
GLASGOW, Professor J. R. CURRIE, M.D., The University.	996.4	29.423 40.7	33.5 27.1	22.2 5.0	9/h	22	20/h	36.3 0.9	6.5 9.1	21	4.22 +0.95	0.81	+0.14	..	..	..		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	996.0	29.413 40.5	33.4 27.0	22.0 4.9	9, 10	25	15.1, 6 17	36.0 1.3	6.2 8.7	22	3.59 +1.33	1.90	+0.43	25	..	..		
DUNDEE, College Gardens.	985.7	29.403 39.7	29.0 34.3	33.8 3.8	49	10/h	21	20/h	35.9 1.4	6.2 8.6	18	4.37 +2.12	1.79	+0.21	94	..	..	
ABERDEEN, The Meteorological Office.	995.3	29.393 40.6	32.4 26.5	22.3 -2.3	49	10/h	15	20/h	37.1 1.5	6.5 8.5	20	4.44 +2.46	1.70	+0.27	23	..	..	
Paisley, John Woodrow, The Coats Observatory.	996.0	29.413 40.8	33.3 37.1	22.6 -2.6	50	9/h	22	15/h	36.3 0.9	6.5 9.1	21	4.58 +0.59	1.93	+0.03	13	..	..	
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	996.3	29.420 40.9	34.0 37.5	22.0 -2.0	50	9/h	25	15/h	36.0 1.1	6.3 8.9	22	6.55 -0.29	..	..	..	..	..	
KIRKCALDY, J. PAGE, for The Town Council.	63	..	41.2 32.7	36.9 -2.7	48	9/h	22	20/h	36.1 1.1	6.3 8.9	25	4.00	..	..	..	..	..	
KILMARNOCK, W. DUNBAR, C.E.	132	..	40.9 31.2	36.1 -3.0	49	9/h	16	19/h	34.5 0.8	6.3 9.2	23	4.17 +0.76	1.20	+0.20	16	..	..	
AYR, The Medical Officer of Health.	43	..	43.3 31.4	37.3 ..	52	9, 10	15	17/h	37.9 0.8	7.1 9.2	16	3.13	..	1.35	..	..	..	
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	39.6 31.1	35.3 ..	50	9/h	20	19/h	38.2 0.9	6.5 9.1	21	3.98	..	1.43	..	..	..	
PERTH, J. Ritchie, The Museum.	76	996.7	29.435 40.2	20.3 35.3	2.4	50	10/h	11	20/h	34.1 0.9	6.0 9.1	16	4.38 +1.87	1.38	+0.12	18	..	..
Means	146	996.1	29.414 40.8	32.0 30.4	-2.6	..	..	..	..	26.0 1.1	6.4 8.9	20	4.31 +1.30	1.40	+0.20	20	..	..

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 56° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 46'; Greenock, 4° 26'; Perth, 3° 27'; Mean, 3° 35'.

\* At Edinburgh, Paisley and Ayr observations are made at 9th. and 21st. at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.

† As from Jan. 1935 barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millbars (1000 millibars=29.531 mercury inches) and inches.

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MONTHLY RETURN

OF THE

BIRTHS, DEATHS, AND MARRIAGES

IN

SIXTEEN OF THE PRINCIPAL TOWNS OF SCOTLAND

FEBRUARY 1936.

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REPORT

During the month of February 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,794 living children, of whom 1,926 were males and 1,868 were females. Compared with the number in the previous month, births of male children are 182 fewer, of female children 160 fewer, and of children of both sexes 342 fewer. The monthly birth-rate in these towns taken collectively was 18.8 per thousand. This rate is 0.4 less than that for the previous month, and is 0.5 below the average.

In the individual towns the monthly birth-rate ranged from 23.6 in Falkirk, 23.3 in Greenock, 23.3 in Hamilton, and 22.8 in Kilmarnock, to 15.9 in Edinburgh, 16.0 in Perth and 17.2 in Kirkcaldy. In Clydebank the rate was 20.6, in Coatbridge 20.1, in Glasgow 19.6, in Dundee 19.3, in Motherwell and Wishaw 19.0, in Dunfermline 17.7, in Paisley 17.6, in Ayr 17.5, and in Aberdeen 17.4.

Of the 3,794 living children whose births were registered during the month, 3,590 or 94.6 per cent. were legitimate, while 204 or 5.4 per cent. were illegitimate. The legitimate children numbered 316 fewer than in the previous month, and the illegitimate children 26 fewer. The illegitimate rate for the month is 0.2 below that for the previous month. In the individual towns it ranged from 13.3 in Perth, 11.1 in Kilmarnock, and 8.1 in Dundee, to 0 in Ayr, 2.4 in Paisley, and 3.0 in Motherwell and Wishaw. In Glasgow the rate was 5.2, and in Edinburgh 5.1.

Marriages registered during the month numbered 1,300 and are 731 fewer than in the previous month. The marriage-rate, 6.4 per thousand, is 3.0 below that for the previous month but 0.2 above the average. In the individual towns it ranged from 9.2 in Hamilton, 7.2 in Paisley, and 6.8 in Greenock, to 3.7 in Falkirk, 4.4 in Motherwell and Wishaw, and 4.5 in Kirkcaldy. In Glasgow the rate was 6.6, and in Edinburgh 6.5.

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

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Deaths registered in these towns during the month numbered 3,667 and are 530 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,348, of whom 1,684 were males and 1,664 were females. The corrected number is 546 fewer than in the previous month, males being 277 fewer and females 269 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 16·6 per thousand, being 1·5 below that for the previous month and 0·2 below the average. In the towns taken individually the death-rate ranged from 18·9 in Kirkcaldy, 18·9 in Perth, and 18·6 in Dundee, to 12·9 in Motherwell and Wishaw, 13·5 in Paisley, and 14·1 in Clydebank. In Ayr the rate was 17·8, in Edinburgh 17·6, in Glasgow 16·6, in Greenock 16·4, in Kilmarnock 15·8, in Hamilton 15·8, in Aberdeen 15·7, in Coatbridge 15·5, in Dunfermline 15·3, and in Falkirk 15·0.

Deaths of children of less than one year old numbered 432, and equalled an infantile mortality rate of 116 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 118 fewer than in the previous month, while the rate is 23 less than in that month and 5 below the average. In the individual towns this rate ranged from 226 in Kirkcaldy, 196 in Ayr, and 159 in Perth, to 43 in Dunfermline, 59 in Hamilton, and 79 in Aberdeen. In Coatbridge the rate was 156, in Clydebank 141, in Kilmarnock 141, in Edinburgh 140, in Falkirk 140, in Dundee 129, in Greenock 115, in Motherwell and Wishaw 108, in Glasgow 107, and in Paisley 94.

Deaths from the principal epidemic diseases numbered 119 and equalled a death-rate of 0·6 per thousand. These deaths are 31 fewer than in the previous month, and the rate is 0·1 less. They include 2 from typhoid fever, 17 from measles, 8 from scarlet fever, 11 from whooping-cough, 12 from diphtheria, 37 from influenza, 6 from cerebro-spinal fever, and 26 from other epidemic diseases, 18 of which were ascribed to erysipelas, 5 to dysentery, 2 to lethargic encephalitis, and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from typhoid fever are 1 more, from measles 7 more, from scarlet fever 2 more, from whooping-cough 3 fewer, from diphtheria 4 fewer, from influenza 43 fewer, from cerebro-spinal fever the same, and from other epidemic diseases 9 more.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 684, and equalled a death-rate of 3·4 per thousand. Compared with the number in the previous month these deaths are 303 fewer, while the rate is 1·2 less and is 0·1 below the average.

Deaths from all forms of tuberculosis numbered 206, of which 153 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 9 fewer, and those from respiratory tuberculosis 25 fewer. Compared with the average the former are 6 fewer, and the latter 13 fewer.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

FEBRUARY 1936.

Mean barometric pressure, 29·711 ins. ; less than the average\* by 0·161 in.

Mean temperature, 36°·4 F. ; less by 2°·5 F.

Mean daily range of temperature, 9°·2 F. ; less by 0°·3 F.

Mean daily sunshine 2·04 hours ; less by 0·12 hours.

Rain, depth in inches, 2·50; less by 0·33 ins.

Wind, direction of : a three days' excess of easterly winds.

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

Following the eastward passage of a shallow depression with light winds and variable weather on the 1st, a cold northerly current spread southwards on the 2nd and 3rd. Light winds with low temperatures accompanied the high pressure wedge which followed, but these were replaced by rain and strong southerly winds when a depression moved northward on the 6th-7th. From the 8th to the 13th weather was quiet and cold in association with an anticyclone lying over or to the south-east of Scotland. A depression moved eastward from the Atlantic on the 14th, developed into a complex low pressure system on the 15th, and was followed by a further depression which moved up the north-west seaboard on the 19th and 20th. This brought strong winds with rain and sleet to many parts of the country. From the 21st onwards weather continued variable at first under the influence of a stationary complex low pressure system and from the 25th in association with another depression which moved south-eastward across the country. Unusual snowfalls accompanied the north-easterly winds over this depression. At Edinburgh the extremes of pressure were 30·41 ins. on 7th and 28·77 ins. on 18th.

Like December and January, temperature was again below normal; the same three consecutive mid-winter months have not been so much below normal since 1929 and, although February was then colder, the three-monthly departure from normal is somewhat lower this year than then. The periods of lowest temperature were 4th-5th and 11th-14th; on the 5th a screen temperature of 5° was recorded at Braemar and of 6° at Balmoral; Dalwhinnie registered 7° and Peebles 9° on the 13th. 52° at Onich on the 9th was the highest temperature reported; many places did not reach 50°. Ground frost was registered in some locality every day of the month, the periods of most widespread occurrence being 2nd-5th, 8th-17th, 21st-25th and 27th-29th; at a number of places frost was recorded on 20 or more days. The lowest temperature recorded was -2° at Dalwhinnie on the 13th. Other low temperatures were 1° on the 5th and 3° on the 13th at Braemar, 2° on the 5th and 13th at Balmoral, and 4° at Peebles, 7° at Dumfries and Kilmarnock on the 13th.

In west, north and central regions rainfall was below normal, less than half at Forts William and Augustus; it was above normal in eastern districts, particularly in Angus, Fife (224 per cent. at Cupar) and the Lothians. The heaviest falls occurred on the 6th (North Ballachulish 2·35 ins.), 17th-19th, 23rd and 28th-29th. The fall on the 23rd was very widespread in the eastern part of the country; some places reported between 1·5 and 2 ins.

Falls of snow or sleet on more than five days in the month were common, the heaviest being reported on the 3rd, 14th and 28th-29th. In the eastern Southern Uplands the snowfall on the last two days of the month was exceptionally heavy and was accompanied by heavy drifting. At Balmoral and Braemar snow lay every day throughout the month; on the 5th the depth at Balmoral was 5½ ins.

On the 1st, 4th-8th, 12th-18th, 21st-25th and 27th-28th fog was reported from some locality; it was most general and dense on the 15th-16th. Glasgow and Greenock were the only places with ten or more days of fog, but Rothesay, Stirling and Montrose had six days and Dunfermline and Renfrew five.

Gales occurred on fifteen days in some part of the country. Those on the 6th-7th, 17th-18th and 21st were particularly strong in the extreme north, while that on the 29th was general.

Sunshine was below normal, but only slightly so. The deficit was confined to the region of excess of rain in east and central districts.

Aurora was observed on the 10th, 12th, 15th, 16th, 19th, 20th, 26th and 29th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 16.

*Abstract.*

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, FEBRUARY 1936.

TOWNS.	POPULATION.		BIRTHS.				MARRIAGES.	DEATHS.			CORRECTED FOR TRANSFERS (Both Sexes)			
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate, Illegiti- mate.		Both Sexes.	Males.	Females.	Out.			
GLASGOW,	1,088,524	1,124,300	1745	847	898	1654	91	591	1644	889	755	203	35	1476
EDINBURGH,	439,010	464,600	584	293	286	554	30	238	736	368	363	99	11	648
DUNDEE,	175,681	178,700	273	158	115	251	22	92	270	104	166	15	9	264
ABERDEEN,	169,803	176,400	243	124	119	232	11	93	270	130	140	60	10	220
PAISLEY,	86,445	89,700	125	71	54	122	3	51	109	48	61	16	3	96
GREENOCK,	78,949	80,200	148	80	68	137	11	43	109	58	51	9	4	104
MOTHERWELL AND WISHAW,	64,710	66,400	100	58	42	97	3	23	57	31	26	0	11	68
CLYDEBANK,	46,952	48,500	79	37	42	75	4	24	30	20	10	2	26	54
KIRKCALDY,	43,874	44,700	61	32	29	59	2	16	59	27	32	2	10	67
COATBRIDGE,	43,056	43,800	70	27	43	67	3	19	48	23	20	2	8	54
KILMARNOCK,	38,681	39,900	72	38	34	64	8	20	51	23	28	10	9	50
HAMILTON,	37,990	38,400	71	30	41	67	4	28	41	25	16	5	12	48
AYR,	38,905	40,300	56	27	29	56	0	20	67	32	35	21	11	57
FALKIRK,	36,566	38,000	71	41	20	63	3	11	53	36	17	13	5	45
DUNFERMLINE,	35,058	36,300	51	32	19	48	3	14	52	24	28	11	3	44
PERTH,	34,807	35,500	45	26	19	39	6	17	71	29	42	20	2	53
TOTAL (SIXTEEN TOWNS)	2,459,011	2,545,700	3794	1926	1868	3590	204	1300	3667	1872	1795	488	169	3348

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, FEBRUARY 1936.

TOWNS.	Birth- Rate per 1000 of Popula- tion.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 OF POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.		
				All Causes.		Regis- tered.	Corr. for Transf- fers.	Princi- pal Epidemic Diseases, Diseases.	All Tubercu- losis.	Tuber- culosis of Respiratory System.	All Respira- tory Diseases (not Tuber- culosis).	Number.	* Rate per 1000 Births.
				All Causes.	Principal Epidemic Diseases.								
GLASGOW,	19·6	5·2	6·6	18·5	16·6	0·5	1·8	0·9	8·7	183	107		
EDINBURGH,	15·9	5·1	6·5	20·0	17·6	0·8	0·7	0·6	4·0	80	140		
DUNDEE,	19·3	8·1	6·5	19·1	18·6	0·6	1·2	0·9	3·4	33	129		
ABERDEEN,	17·4	4·5	6·7	19·3	15·7	0·6	0·6	0·4	2·5	20	79		
PAISLEY,	17·6	2·4	7·2	15·3	13·5	0·6	1·3	1·0	1·8	12	94		
GREENOCK,	23·3	7·4	6·8	17·1	16·4	0·5	0·6	0·3	2·7	15	115		
MOTHERWELL AND WISHAW,	19·0	3·0	4·4	10·8	12·9	0·8	1·5	1·0	2·9	11	108		
CLYDEBANK,	20·6	5·1	6·2	7·8	14·1	0·3	0·3	0·3	2·9	10	141		
KIRKCALDY,	17·2	3·3	4·5	16·7	18·9	0·3	1·4	1·4	2·8	12	226		
COATBRIDGE,	20·1	4·3	5·5	18·3	15·5	0·3	0·6	0·3	4·0	12	156		
KILMARNOCK,	22·8	11·1	6·3	16·1	15·8	0·6	0·6	0·6	2·8	9	141		
HAMILTON,	23·3	5·6	9·2	13·5	15·8	0·7	1·0	0·7	3·3	4	59		
AYR,	17·5	0·0	6·3	21·0	17·8	0·0	1·6	1·3	1·3	10	196		
FALKIRK,	23·6	4·2	3·7	17·6	15·0	1·0	0·7	0·0	1·3	7	140		
DUNFERMLINE,	17·7	5·9	4·9	18·1	15·3	0·0	0·0	0·0	2·8	2	43		
PERTH,	16·0	13·3	6·0	25·3	18·9	1·4	0·7	0·7	3·2	7	159		
TOTAL (SIXTEEN TOWNS)	18·8	5·4	6·4	18·2	16·6	0·6	1·0	0·8	8·4	432	116		

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR FEBRUARY 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate, (1)	Illegitimate Birth- rate per 100 Births, (2)	Marriage-Rate, (4)	Death-Rate, (5)	DEATHS FROM										† Infantile Mortality Rate, (14)	Mean Temperature (Seven Towns only), (15)
					*Typhoid Fever, (6)	Measles, (7)	Scarlet Fever, (8)	Whooping- Cough, (9)	Diphtheria, (10)	Influenza, (11)	Cerebro- spinal Fever, (12)	† Other Epidemic Diseases, (13)				
FEB. 1936.	18.8	5.4	6.4	16.6	2	17	8	11	12	37	6	26	116	36°.4		
FEB. 1935.	18.8	6.1	6.3	16.6	1	7	11	68	21	110	6	15	108	40°.7		
FEB. 1934.	19.1	6.8	6.3	14.5	0	7	18	18	26	22	16	17	121	42°.9		
FEB. 1933.	18.4	5.7	5.9	17.6	0	2	10	73	16	187	21	19	111	39°.4		
FEB. 1932.	20.2	5.9	6.5	17.7	3	111	21	29	27	102	20	17	142	40°.4		
FEB. 1931.	20.8	6.9	5.9	17.6	1	4	7	110	22	101	23	12	124	38°.1		
FEB. 1930.	21.0	7.1	5.6	17.3	1	78	10	33	32	42	10	21	122	35°.1		
FEB. 1929.	20.7	6.8	5.6	24.4	1	2	6	66	30	600	30	30	144	34°.2		
FEB. 1928.	20.2	7.0	6.5	15.8	0	120	5	79	37	42	5	15	111	40°.5		
FEB. 1927.	21.5	6.5	6.3	16.5	0	16	8	54	33	122	6	14	120	40°.1		
FEB. 1926.	23.0	6.1	6.4	15.2	2	153	19	27	26	85	5	16	103	41°.3		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
					-1	1	5	10	15	25	35	45	55	65	75	35 & over
1	Typhoid Fever (including Paratyphoid)	2	2	—	—	—	—	—	—	—	1	1	—	—	—	—
4	Measles	17	12	5	5	11	1	—	—	—	—	—	—	—	—	—
5	Scarlet Fever	8	5	3	—	2	1	—	—	—	2	1	—	—	—	—
6	Whooping-cough	11	7	4	6	5	—	—	—	—	—	—	—	—	—	—
7	Diphtheria	12	6	6	6	8	1	2	—	—	1	—	—	—	—	—
8	Influenza	37	18	19	3	—	—	—	1	3	—	6	5	12	4	3
14 (1)	Cerebro-spinal Fever	6	4	2	2	2	—	—	1	1	—	—	—	—	—	—
14 (2)	Other Epidemic Diseases (2, 3, 9)*	26	14	12	3	—	—	—	1	1	1	3	5	7	4	1
10	Tuberculosis of Respiratory System	153	74	79	—	2	1	3	42	36	23	22	17	3	2	—
11	Other Tuberculous Diseases	53	32	21	2	17	2	5	14	3	2	1	4	1	2	—
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	13	9	4	4	—	—	—	—	—	2	4	2	1	—	—
15	Cancer, Malignant Disease	326	140	186	1	—	—	—	2	4	22	54	89	110	40	4
18	Diabetes Mellitus	35	8	27	—	—	—	—	—	2	1	3	7	14	8	—
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	62	26	36	—	—	4	3	5	3	11	14	10	7	—	—
22	Cerebral Haemorrhage, &c.	323	145	178	—	—	—	—	—	5	26	55	123	89	25	—
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	81	44	37	15	7	2	3	3	7	7	6	13	11	6	1
24	Heart Disease	652	291	361	—	—	1	4	5	15	33	53	118	214	172	37
25	Other Circulatory Diseases	60	29	31	1	—	1	1	1	1	—	7	14	24	6	—
26	Bronchitis	286	134	152	22	2	—	—	—	1	8	30	48	81	70	24
27	Pneumonia (all forms)	320	209	123	102	38	4	—	7	10	32	25	43	40	25	6
28	Other Respiratory Diseases	66	37	29	3	2	1	2	—	1	6	6	13	14	15	3
32 (1)	Gastric and Duodenal Ulcer	31	24	7	—	—	—	—	3	2	4	5	8	7	2	—
29	Diarrhoea, &c. (all ages)	53	30	23	44	5	—	—	—	—	1	1	1	1	—	—
30	Appendicitis	17	7	10	—	1	1	3	1	3	1	5	1	1	1	—
31 (1)	Cirrhosis of Liver	5	3	2	—	—	—	—	—	—	1	3	1	—	—	—
31 (2)	Other Diseases of Liver, &c.	9	3	6	—	—	—	—	—	—	1	1	3	2	2	—
32 (2)	Other Digestive Diseases	54	30	24	7	1	—	—	—	3	2	7	10	6	11	6
33	Acute and Chronic Nephritis	64	29	35	—	—	—	1	1	7	7	13	10	15	10	—
34	Other Dis. of Genito-Urinary System	42	34	8	1	—	—	—	1	3	6	6	13	11	1	—
35	Puerperal Sepsis	8	—	8	—	—	—	—	1	4	3	—	—	—	—	—
36	Other Puerperal Causes	11	—	11	—	—	—	—	2	3	5	1	—	—	—	—
37	Diseases of Skin and Locomotor System	20	16	4	3	1	2	2	1	3	1	1	3	1	2	—
38	Congen. Debil., Prem. Birth, Malform., &c.	199	116	83	194	3	—	1	1	—	—	—	—	—	—	—
39	Old Age	86	39	47	—	—	—	—	—	—	—	—	—	7	44	35
40	Suicide	17	11	6	—	—	—	—	—	1	2	8	5	1	—	—
42	Other Violence (41)	104	58	51	11	7	2	3	10	3	7	16	12	13	20	—
43	Causes Ill-defined or Unknown	67	43	24	3	—	—	—	—	—	12	17	18	14	3	—
ALL CAUSES		3348	1684	1664	432	114	25	34	103	122	184	335	519	741	584	155

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—February 1936.

Internal Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	2	...	...	...	1	...	...	...	...
4	Measles ...	17	8	6	1	2	...	...	...	...
5	Scarlet Fever ...	8	5	...	...	1	...	...	1	...
6	Whooping-cough ...	11	5	...	2	...	2	...	1	...
7	Diphtheria ...	12	4	3	2	1	1	2	...	1
8	Influenza ...	37	13	13	2	1	1	2	1	1
14 (1)	Cerebro-spinal Fever ...	6	2	...	1	...	1	1	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	26	10	7	3	4	...	...	1	...
10	Tuberculosis of Respiratory System ...	153	83	21	13	5	7	2	5	1
11	Other Tuberculous Diseases ...	53	29	5	4	3	2	2	3	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13) ...	13	7	2	1	2	...	...	...	...
15	Cancer, Malignant Disease ...	326	130	69	24	22	9	16	6	5
18	Diabetes Mellitus ...	35	13	5	2	1	3	1	1	3
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19) ...	62	25	10	...	8	...	3	2	1
22	Cerebral Hæmorrhage, &c. ...	323	138	67	17	30	5	12	4	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21) ...	81	35	14	3	7	1	1	2	5
24	Heart Disease ...	652	272	111	88	41	32	15	14	10
25	Other Circulatory Diseases ...	60	20	18	1	8	...	3	1	...
26	Bronchitis ...	286	142	58	15	21	5	5	8	1
27	Pneumonia (all forms) ...	332	154	78	25	13	7	8	7	9
28	Other Respiratory Diseases ...	66	32	13	8	1	1	4	...	1
32 (1)	Gastric and Duodenal Ulcer ...	31	12	9	...	2	...	2	...	...
29	Diarrhoea, &c. (all Ages) ...	53	33	10	1	...	3	1	1	1
30	Appendicitis ...	17	6	3	3	1	...	1	...	...
31 (1)	Cirrhosis of Liver ...	5	1	2	1	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ...	9	2	2	...	1	1	...	...	...
32 (2)	Other Digestive Diseases ...	54	28	9	7	3	1	2	...	...
33	Acute and Chronic Nephritis ...	64	22	19	6	4	1	2	...	...
34	Oth. Diseases of Genito-Urinary System ...	42	22	11	2	1	...	1	1	...
35	Puerperal Sepsis ...	8	2	...	...	...	2	...	...	...
36	Other Puerperal Causes ...	11	6	...	3	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System ...	20	7	8	...	2	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c. ...	199	83	33	17	11	6	10	2	4
39	Old Age ...	86	36	16	...	5	1	5	...	2
40	Suicide ...	17	3	5	3	2	1	...	1	...
42	Other Violence (41) ...	104	41	19	10	13	4	2	4	2
43	Causes Ill-defined or Unknown ...	67	45	2	1	3	...	2	1	1
All Causes ...		3348	1476	648	264	220	96	104	68	54
AGE AT DEATH.										
Under 1	...	432	188	80	33	20	12	15	11	10
1-4	...	114	57	18	10	7	3	3	3	...
5-9	...	25	8	1	3	3	2	3	1	2
10-14	...	34	15	9	4	4	...	...	...	...
15-24	...	103	51	23	6	4	3	2	4	1
25-34	...	122	55	17	12	11	5	1	6	2
35-44	...	184	86	36	9	14	6	5	2	5
45-54	...	335	170	64	17	15	7	13	2	4
55-64	...	519	237	96	35	36	11	19	10	13
65-74	...	741	315	150	65	46	26	24	18	6
75-84	...	584	233	124	58	46	19	12	10	9
85 and over	...	155	61	30	12	14	2	7	1	2
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages ...		3348	1476	648	264	220	96	104	68	54

\* See note (+), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—February 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	1	...	...
4	Measles	1	...	1	1	...	1	...	...
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	...	...	1	...	1	...	2
7	Diphtheria	...	...	...	...	...	...	...	...
8	Influenza...	...	...	...	...	...	...	...	2
14 (1)	Cerebro-spinal Fever	...	...	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	1	4	...	...	...
10	Tuberculosis of Respiratory System	5	1	2	2	...	...	...	2
11	Other Tuberculous Diseases	...	1	...	1	1	2	...	...
14 (3)	Oth. Infectious and Parasitic Dis.(12, 13)	...	...	...	...	1	...	...	...
15	Cancer, Malignant Disease	9	8	4	3	8	4	7	2
18	Diabetes Mellitus	...	...	...	2	1	1	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	2	3	...	1	3	2
22	Cerebral Haemorrhage, &c.	9	6	4	3	2	7	2	10
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	3	...	2	1	...	3	3	1
24	Heart Disease	7	7	12	10	12	7	9	5
25	Other Circulatory Diseases	2	...	1	...	2	2	1	1
26	Bronchitis	6	7	3	3	1	2	4	5
27	Pneumonia (all forms)	4	6	6	4	3	1	3	4
28	Other Respiratory Diseases	...	1	...	3	...	1	1	...
32 (1)	Gastric and Duodenal Ulcer	1	...	3	2	...	...	...	...
29	Diarrhoea, &c. (all Ages)	...	...	...	...	...	1	1	1
30	Appendicitis	...	1	...	1	1	...	...	...
31 (1)	Cirrhosis of Liver	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	...	1	...	...	1	1
32 (2)	Other Digestive Diseases	...	1	...	...	...	...	1	2
33	Acute and Chronic Nephritis	1	1	...	5	1	...	1	1
34	Oth. Diseases of Genito-Urinary System	...	...	1	1	1	1	...	...
35	Puerperal Sepsis	...	...	2	...	1	...	...	1
36	Other Puerperal Causes	...	1	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	1	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	...	7	5	2	1	7	5	4
39	Old Age	5	2	2	...	8	1	1	2
40	Suicide	1	...	...	...	1	...	...	...
42	Other Violence (41)	1	1	1	1	1	1	1	2
43	Causes Ill-defined or Unknown	2	4	...	...	1	2	1	2
	All Causes	...	67	54	50	48	57	45	44
	AGE AT DEATH.								
Under 1	...	...	12	12	9	4	10	7	2
1- 4	...	...	4	1	...	3	...	2	3
5- 9	...	...	...	...	1	...	...	1	...
10-14	...	...	...	...	...	1	...	...	1
15-24	...	...	2	...	3	1	1	...	2
25-34	...	...	1	1	2	5	5	2	1
35-44	...	...	3	5	4	2	2	2	2
45-54	...	...	7	7	7	6	3	5	4
55-64	...	...	6	8	8	9	8	10	7
65-74	...	...	15	12	6	14	10	10	14
75-84	...	...	13	7	6	4	17	6	11
85 and over	...	...	4	1	4	2	1	2	4
Not stated	...	...	...	...	...	...	...	...	...
	All Ages	...	67	54	50	48	57	45	44
									53

\* See note (†), Table III.

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS**  
Made at Eleven of the Principal Towns during the Month of FEBRUARY 1936.

OBSERVERS,	AIR PRESSURE* AT MEAN SEA LEVEL,†	Height of Station above Sea-level.	AIR TEMPERATURE.			HYGROMETER.*			RAIN, AND OTHER FORMS OF PRECIPITATION.			BRIGHT SUNSHINE.‡			
			Mean of A and B (Mean Temperature).		Absolute Maximum and Minimum.	Mean of		Vapour Pressure.	Depression of Wet Bulb.		Total Fall.	Difference from Average.	Daily Mean.	Difference from Average.	Per Cent. of Possible.
			Mean of	Minimum (B.)	Maximum (A.)	Day of Month.	Minimum.	Dry Bulb.	°F.	°F.	inch.	inch.	inch.	inch.	inch.
			Day of Month.	Maximum.	Day of Month.	13th	13th	13th	36.1	1.2	1.09	1.54	+0.06	16	
GLASGOW Professor J. R. CURRIE, M.D., The University.	feet 29,708 1006.0	inches 85	*F. 41.1	*F. 32.9	*F. 37.0	-2.3	48	13,26	19	13th	1.09	1.54	+0.06	16	
EDINBURGH Professor R. A. SAMPSON, P.R.S., Royal Observatory.	feet 29,712 1006.2	inches 441	31.9	35.9	-2.8	47	16,19	24	11th	35.0	1.3	5.9	37	16	
DUNDEE College Gardens.	feet 29,712 1006.2	inches 147	40.2	31.4	-2.4	48	22,26	20	13th	35.2	1.8	5.7	81	15	
ABERDEEN The Meteorological Office.	feet 29,716 1006.3	inches 79	40.6	32.8	-2.2	47	26th	17	5th	36.8	1.9	6.1	83	14	
PARTIESLEY John Woodrow, The Coats Observatory.	feet 29,705 1005.9	inches 106	41.3	32.9	-2.6	49	22,26	21	13th	36.1	1.4	6.2	36	15	
GREENOCK J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	feet 29,696 1005.5	inches 199	40.8	33.1	-2.2	46	6.16	24	13th	35.7	1.1	6.3	89	15	
KIRKCALDY, J. PAGE, for The Town Council.	feet 29,696 1005.5	inches 63	32.2	36.7	-3.0	48	20,26	22	13th	36.4	1.5	6.1	85	23	
KILMARNOCK W. DUNBAR, C.E. AYR The Medical Officer of Health.	feet 29,696 1005.5	inches 132	32.4	27.8	-1.9	47	26th	16	13th	34.8	1.5	5.8	85	19	
DUNFERMLINE, The Carnegie Dunfermline Trust.	feet 29,727 1005.6	inches 237	40.5	31.4	35.9	..	48	18th	21	13th	36.8	1.7	6.2	83	17
PERTH, J. RITCHIE, The Museum.	feet 29,727 1005.6	inches 76	40.2	29.0	34.6	-3.5	49	26th	16	13th	33.7	1.2	5.8	87	13
Means . . .	feet 29,711 1006.1	inches 146	41.1	31.9	26.4	-2.5	..	..	..	35.7	1.4	6.1	86	16	

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North Latitude—Glasgow, 55° 52'; Edinburgh, 56° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 56'; Greenock, 56° 56'; Perth, 56° 34'; Mean, 56° 14'.

West Longitude—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 5° 27'; Mean, 5° 38'.

\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kilmarnock, Kirkcaldy, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 8h.

† As shown.

‡ As shown. For 100 hours more than 90 hours recorded.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

MARCH 1936.

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REPORT

During the month of March 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,207 living children, of whom 2,131 were males and 2,076 were females. Compared with the number in the previous month, births of male children are 205 more, of female children 208 more, and of children of both sexes 413 more. The monthly birth-rate in these towns taken collectively was 19·5 per thousand. This rate is 0·7 more than that for the previous month, but is 0·4 below the average.

In the individual towns the monthly birth-rate ranged from 27·4 in Hamilton, 24·3 in Kilmarnock and 24·2 in Coatbridge, to 13·0 in Dunfermline, 13·3 in Perth and 14·8 in Kirkcaldy. In Greenock the rate was 23·1, in Clydebank 21·7, in Glasgow 20·8, in Paisley 20·8, in Motherwell and Wishaw 20·8, in Ayr 20·8, in Falkirk 19·0, in Dundee 18·0, in Aberdeen 17·1 and in Edinburgh 16·5.

Of the 4,207 living children whose births were registered during the month, 3,961 or 94·2 per cent. were legitimate, while 246 or 5·8 per cent. were illegitimate. The legitimate children numbered 371 more than in the previous month, and the illegitimate children 42 more. The illegitimate rate for the month is 0·4 above that for the previous month. In the individual towns it ranged from 12·5 in Perth, 10·1 in Hamilton and 7·5 in Dunfermline, to 1·9 in Paisley, 3·4 in Clydebank and 3·6 in Kirkcaldy. In Glasgow the rate was 6·1 and in Edinburgh 6·5.

Marriages registered during the month numbered 1,305 and are 5 more than in the previous month. The marriage-rate, 6·1 per thousand, is 0·3 below that for the previous month but 0·5 above the average. In the individual towns it ranged from 7·6 in Aberdeen, 7·2 in Dunfermline and 6·8 in Kilmarnock, to 3·2 in Coatbridge, 4·4 in Dundee and 4·4 in Greenock. In Glasgow the rate was 6·2 and in Edinburgh 6·7.

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

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EDINBURGH

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Deaths registered in these towns during the month numbered 3,699 and are 32 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,380, of whom 1,755 were males and 1,625 were females. The corrected number is 32 more than in the previous month, males being 71 more, but females 39 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 15·7 per thousand, being 0·9 below that for the previous month and 0·6 below the average. In the towns taken individually the death-rate ranged from 18·7 in Ayr, 16·8 in Edinburgh and 16·5 in Glasgow, to 12·2 in Paisley, 12·7 in Falkirk and 12·7 in Perth. In Hamilton the rate was 16·3, in Motherwell and Wishaw 14·9, in Dundee 14·7, in Clydebank 14·6, in Kilmarnock 14·5, in Greenock 14·4, in Coatbridge 14·0, in Aberdeen 13·6, in Dunfermline 13·3 and in Kirkcaldy 12·9.

Deaths of children of less than one year old numbered 416, and equalled an infantile mortality rate of 104 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 16 fewer than in the previous month, while the rate is 12 less than in that month and 13 below the average. In the individual towns this rate ranged from 224 in Clydebank, 157 in Kilmarnock and 149 in Hamilton, to 0 in Ayr, 56 in Falkirk and 57 in Greenock. In Motherwell and Wishaw the rate was 119, in Glasgow 116, in Edinburgh 102, in Aberdeen 93, in Perth 85, in Dundee 81, in Paisley 72, in Kirkcaldy 70, in Dunfermline 61 and in Coatbridge 60.

Deaths from the principal epidemic diseases numbered 187 and equalled a death-rate of 0·9 per thousand. These deaths are 68 more than in the previous month, and the rate is 0·3 more. They include 3 from typhoid fever, 56 from measles, 1 from scarlet fever, 20 from whooping-cough, 19 from diphtheria, 49 from influenza, 13 from cerebro-spinal fever, and 26 from other epidemic diseases, 19 of which were ascribed to erysipelas, 5 to lethargic encephalitis and 2 to dysentery. Compared with the number in the previous month deaths from typhoid fever are 1 more, from measles 39 more, from scarlet fever 7 fewer, from whooping-cough 9 more, from diphtheria 7 more, from influenza 12 more, from cerebro-spinal fever 7 more, and from other epidemic diseases the same.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 590, and equalled a death-rate of 2·7 per thousand. Compared with the number in the previous month these deaths are 94 fewer, while the rate is 0·7 less and is 0·8 below the average.

Deaths from all forms of tuberculosis numbered 232, of which 180 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 26 more, and those from respiratory tuberculosis 27 more. Compared with the average the former are the same, but the latter 7 more.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MARCH 1936.

Mean barometric pressure, 29·816 ins.; less than the average\* by 0·014 in.

Mean temperature, 42°·9 F.; greater by 2°·0 F.

Mean daily range of temperature, 10°·0 F.; less by 1°·3 F.

Mean daily sunshine, 1·57 hours; less by 1·62 hours.

Rain, depth in inches, 2·29; less by 0·41 ins.

Wind, direction of: a five days' excess of easterly or south-easterly winds.

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

Strong northerly winds associated with a depression which moved down the east coast of England on the first two days of the month were followed after a quiet day on 3rd by south to south-west winds as another depression approached the north of Scotland from Iceland. On 7th this depression merged with another on the Atlantic to give southerly winds on the east coast and northerly winds in the west. Then as the elongated system so formed moved southward a high pressure area spread in from the west to give quiet dull weather with variable light winds from 10th to 18th. On 19th a depression from the Atlantic induced a south-easterly air circulation, and this situation of low pressure to west and high to the east giving winds from an easterly point continued to dominate the weather till 30th, when winds slackened generally. At Edinburgh the extremes of pressure were 30.29 ins. on 15th and 29.35 ins. on 1st and 30th.

After three successive months below normal temperature, March was 2.0° above normal. In most of the country 21st and 22nd were the warmest days; the highest temperature of 65°F. was recorded at Kelso and Fort William on the 22nd, though many other places reached 60° to 64°F. For some localities on the east coast the last two days of the month were the warmest. Low screen minima were confined to the first part of the month, especially the first four days; 11° at Braemar, 12° at Logie Coldstone and 13° at Balmoral, all on the 3rd, were the lowest recorded. In the same early days of the month some severe ground frosts were still experienced; 7° at Braemar, 8° at Balmoral, 10° at Logie Coldstone and Peebles and 11° at West Linton, all on the 3rd, were among the lowest.

Except for areas in Fife, Angus and Argyll, and certain localities in the Clyde valley, rainfall was below normal—to the extent of 50 per cent. or more at places in the Central Highlands and in the north. Around the Moray Firth the total fall was only about one-third of the average. The middle part of the month was the driest and the wettest day was the 9th, especially in the east, falls of over 1 in. being recorded.

Falls of snow and hail were largely confined to the first half of the month, and especially the first five days. Resulting from the unusual storm on the last days of February and the beginning of March, snow lay at Peebles, West Linton and Wolfelee till 8th, at Balmoral till 11th and Braemar till 17th. On 9th and 10th the ground was covered at many places east and south of the Caledonian Canal.

On every day of the month except 2nd, 4th, 5th, 6th and 31st occasions of visibility less than 1000 yards were reported from some district. Arbroath had ten such days, Greenock and West Linton eight, and Glasgow seven.

The gale on 1st was widespread but not severe; other days of gale force wind in isolated localities, mostly in the extreme north and west, were 2nd, 4th, 5th, 26th, 30th and 31st.

Throughout the country sunshine was far below normal; in some localities it was the most sunless March on record. Few places had an average of more than two hours per day, and places with half the days of the month sunless were common.

Thunder was reported from Border districts and from Argyll on 20th, 21st and 22nd.

Aurora was observed in the north on 6th, 10th, 21st, 23rd, 24th, 26th and 27th, the display on 24th being bright and extensive enough to be seen as far south as Edinburgh.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 24.

*Abstract.*

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, MARCH 1936.

TOWNS.	POPULATION.		BIRTHS.				DEATHS.							
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate,	Illegiti- mate,	Both Sexes.	REGISTERED	TRANSFERS (Both Sexes.)	Out.	In.	Corrected for Transfers (Both Sexes.)	
GLASGOW, .	1,088,524	1,124,300	1979	993	981	1859	120	558	1717	921	796	193	47	1571
EDINBURGH, .	439,010	464,600	650	332	318	603	42	264	774	368	406	123	10	661
DUNDEE, .	175,681	178,700	273	141	132	259	14	67	250	111	139	32	5	223
ABERDEEN, .	169,803	176,400	255	120	135	240	15	114	241	117	124	53	15	203
PAISLEY, .	86,445	89,700	158	78	80	155	3	40	102	51	51	15	6	93
GREENOCK, .	73,949	80,200	157	89	68	150	7	30	100	57	43	6	4	98
MOTHERWELL AND WISHAW, .	64,710	66,400	117	58	59	112	5	29	76	40	36	0	8	84
CLYDEBANK, .	46,952	48,500	89	52	37	86	3	21	33	18	15	1	23	60
KIRKCALDY, .	43,874	44,700	56	27	29	54	2	21	46	22	24	4	7	49
COATBRIDGE, .	43,056	43,800	90	45	45	86	4	12	38	23	15	0	14	52
KILMARNOCK, .	38,681	39,900	82	39	43	77	5	23	50	25	25	11	10	49
HAMILTON, .	37,990	38,400	89	43	46	80	9	21	45	29	16	2	10	53
AYR, .	33,905	40,300	71	34	37	66	5	19	84	42	42	26	6	64
FALKIRK, .	26,566	38,000	61	31	30	57	4	17	50	33	17	14	5	44
DUNFERMLINE, .	35,058	36,300	40	22	18	87	3	22	44	26	18	10	7	41
PERTH, .	34,807	35,500	40	22	18	35	5	17	49	28	21	12	1	33
TOTAL . (SIXTEEN TOWNS)	2,459,011	2,545,700	4207	2131	2076	3961	246	1305	3699	1911	1788	502	183	3380

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, MARCH 1936.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM								DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.				Principal Rapidemic Diseases, All Tubercu- losis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.	All	12						
GLASGOW, .	20·8	6·1	6·2	18·0	16·5	1·0	1·4	1·1	0·5	3·0	13	217	116
EDINBURGH, .	16·5	6·5	6·7	19·7	16·8	0·9	0·8	0·6	3·0	63	102		
DUNDEE, .	18·0	5·1	4·4	16·5	14·7	0·6	1·1	0·9	2·2	22	81		
ABERDEEN, .	17·1	5·9	7·6	16·1	13·6	0·7	0·3	0·3	1·9	25	93		
PAISLEY, .	20·8	1·9	5·3	13·4	12·2	0·7	0·9	0·8	1·8	10	72		
GREENOCK, .	23·1	4·5	4·4	14·7	14·4	0·4	1·3	0·9	2·1	8	57		
MOTHERWELL AND WISHAW, .	20·8	4·3	5·2	13·5	14·9	0·7	0·9	0·5	3·0	13	119		
CLYDEBANK, .	21·7	3·4	5·1	8·0	14·6	1·0	0·7	0·5	3·7	17	224		
KIRKCALDY, .	14·8	3·6	5·5	12·2	12·9	1·1	0·8	0·8	1·8	4	70		
COATBRIDGE, .	24·2	4·4	3·2	10·2	14·0	0·3	0·5	0·3	1·6	5	60		
KILMARNOCK,	24·3	6·1	6·8	14·8	14·5	1·2	1·5	0·6	2·4	11	157		
HAMILTON, .	27·4	10·1	6·5	13·8	16·3	1·2	0·9	0·3	2·5	11	149		
AYR, .	20·8	7·0	5·6	24·6	18·7	0·6	0·9	0·9	2·6	0	0		
FALKIRK, .	19·0	6·6	5·3	15·5	12·7	0·3	0·0	0·0	1·2	3	56		
DUNFERMLINE,	13·0	7·5	7·2	14·3	13·3	1·0	0·0	0·0	1·6	3	61		
PERTH, .	13·3	12·5	5·7	16·3	12·7	0·0	1·7	1·0	1·3	4	85		
TOTAL . (SIXTEEN TOWNS)	19·5	5·8	6·1	17·2	15·7	0·9	1·1	0·8	2·7	416	104		

\* Based on the average number of births registered monthly during the past 12 months.

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*Aggregate of Sixteen Principal Towns.*

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MARCH 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM										Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	Other Epidemic Diseases.	(14)	(15)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		
MAR. 1936 .	19·5	5·8	6·1	15·7	3	56	1	20	19	49	13	26	104	42°·9		
MAR. 1935 .	19·3	5·8	5·8	16·2	2	4	8	85	38	224	4	11	115	43°·8		
MAR. 1934 .	19·2	5·9	5·4	14·8	0	63	23	15	32	32	14	20	109	40°·4		
MAR. 1933 .	19·2	6·0	5·0	13·8	0	6	12	61	17	50	26	18	89	44°·0		
MAR. 1932 .	20·5	5·9	6·2	18·8	0	147	18	23	25	229	18	27	152	41°·5		
MAR. 1931 .	21·4	6·4	5·7	18·1	0	5	7	126	19	159	23	21	120	37°·8		
MAR. 1930 .	21·2	6·7	6·4	17·5	1	127	6	59	30	57	28	30	130	39°·6		
MAR. 1929 .	20·2	6·8	5·1	17·4	0	3	6	73	20	118	41	13	107	43°·4		
MAR. 1928 .	21·9	6·1	5·0	16·8	1	138	3	106	30	54	15	18	121	40°·5		
MAR. 1927 .	23·0	5·9	6·1	16·8	0	22	7	79	26	224	14	20	112	43°·8		
MAR. 1926 .	24·3	5·4	6·0	17·4	0	158	30	42	41	100	12	27	119	43°·0		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

**AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1936.**

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.										35 & over		
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-		
1	Typhoid Fever (including Paratyphoid)	3	2	1	—	1	—	—	—	—	—	1	—	—	—	1	
4	Measles	—	—	—	56	36	20	16	34	6	—	—	—	—	—	—	
5	Scarlet Fever	—	—	—	1	—	1	—	—	—	1	—	—	—	—	—	
6	Whooping-cough	—	—	—	20	13	7	13	7	—	—	—	—	—	—	—	
7	Diphtheria	—	—	—	19	9	10	—	11	8	—	—	—	—	—	—	
8	Influenza	—	—	—	49	27	22	7	1	1	1	3	4	4	10	2	
14 (1)	Cerebro-spinal Fever	—	—	—	13	10	3	2	5	—	2	3	1	—	—	—	
14 (2)	Other Epidemic Diseases (2, 3, 9)*	—	—	—	26	14	12	3	1	—	4	—	1	6	4	2	
10	Tuberculosis of Respiratory System	—	180	86	94	1	3	3	2	46	45	26	26	17	9	2	
11	Other Tuberculous Diseases	—	—	52	32	20	3	19	5	6	10	4	2	2	1	—	
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	10	10	—	—	1	1	—	1	1	1	1	—	2	1	1	
15	Cancer, Malignant Disease	—	—	341	161	177	—	1	1	1	3	5	19	55	96	109	
18	Diabetes Mellitus	—	—	29	10	19	—	—	—	1	1	1	3	9	7	7	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	64	28	36	2	—	3	2	3	5	7	8	16	14	3	1	
22	Cerebral Haemorrhage, &c.	—	—	303	134	169	—	1	—	1	1	1	7	29	55	103	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	84	42	42	16	3	5	1	5	7	6	19	12	8	2	—	
24	Heart Disease	—	—	665	333	332	1	—	1	3	9	11	28	47	140	219	
25	Other Circulatory Diseases	—	—	62	38	24	1	—	—	—	3	2	4	20	31	1	
26	Bronchitis	—	—	216	112	104	18	3	—	1	2	4	8	21	25	67	
27	Pneumonia (all forms)	—	—	313	185	128	82	51	3	1	13	14	15	39	49	29	
28	Other Respiratory Diseases	—	—	61	35	26	7	2	—	2	—	2	9	8	10	12	
32 (1)	Gastric and Duodenal Ulcer	—	—	32	21	11	1	—	—	1	4	5	6	9	2	3	
29	Diarrhoea, &c. (all ages)	—	—	44	29	15	35	5	1	—	—	—	1	—	—	1	
30	Appendicitis	—	—	—	15	10	5	—	1	4	—	3	2	2	1	—	
31 (1)	Cirrhosis of Liver	—	—	—	8	6	2	—	1	—	—	—	5	2	—	—	
31 (2)	Other Diseases of Liver, &c.	—	—	—	17	5	12	—	—	—	2	—	3	6	4	2	
32 (2)	Other Digestive Diseases	—	—	—	50	24	26	5	3	2	1	2	5	4	5	1	
33	Acute and Chronic Nephritis	—	—	71	33	38	1	—	1	—	1	1	6	9	13	18	
34	Other Dis. of Genito-Urinary System	—	—	43	34	9	1	—	—	1	1	3	4	3	16	14	
35	Puerperal Sepsis	—	—	19	—	19	—	—	—	—	6	7	6	—	—	—	
36	Other Puerperal Causes	—	—	—	15	—	15	—	—	—	2	10	3	—	—	—	
37	Diseases of Skin and Locomotor System	—	—	32	17	15	3	1	2	—	3	2	5	4	7	3	
38	Congen. Debil., Prem. Birth, Malform., &c.	186	101	85	183	2	—	1	—	—	—	—	—	—	—	—	
39	Old Age	—	—	102	34	68	—	—	—	—	4	3	1	5	2	10	
40	Suicide	—	—	—	18	12	6	—	4	3	6	7	10	11	17	13	
42	Other Violence (41)	—	—	—	104	65	39	11	2	—	—	2	2	12	17	9	
43	Causes Ill-defined or Unknown	—	—	57	44	13	3	1	—	—	—	2	2	17	13	6	
	ALL CAUSES	—	—	3380	1755	1625	416	159	50	29	134	153	183	332	534	708	553
																129	

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—March 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	3	3	...	...	...	...	...	...	...
4	Measles	56	32	11	4	...	...	...	...	3
5	Scarlet Fever	1	...	...	...	...	...	...	...	1
6	Whooping-cough	20	10	1	4	...	6	1	...	1
7	Diphtheria	19	7	4	...	3	1	...	1	1
8	Influenza	49	22	12	2	...	1	3	1	1
14 (1)	Cerebro-spinal Fever	13	8	2	...	...	1	...	1	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	26	15	5	3	2	1	...	3	2
10	Tuberculosis of Respiratory System	180	108	24	13	5	6	6	3	2
11	Other Tuberculous Diseases	52	27	6	4	...	1	3	2	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	10	4	3	...	...	...	1	...	1
15	Cancer, Malignant Disease	341	156	64	25	22	10	12	9	2
18	Diabetes Mellitus	29	13	6	...	1	2	...	...	2
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	64	28	19	3	2	...	2	1	2
22	Cerebral Haemorrhage, &c.	303	114	75	20	30	5	8	7	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	84	33	14	7	5	4	4	3	2
24	Heart Disease	665	262	144	70	47	29	14	12	4
25	Other Circulatory Diseases	62	25	16	3	8	1	3	...	...
26	Bronchitis	216	103	47	16	11	7	6	7	1
27	Pneumonia (all forms)	313	173	53	15	13	5	7	7	13
28	Other Respiratory Diseases	61	24	17	2	5	2	1	3	1
32 (1)	Gastric and Duodenal Ulcer	32	15	9	2	1	...	2	1	1
29	Diarrhoea, &c. (all Ages)	44	29	3	1	2	1	3	3	...
30	Appendicitis	15	7	3	...	2	...	2	...	...
31 (1)	Cirrhosis of Liver	8	5	2	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	17	5	3	2	1	...	1	1	1
32 (2)	Other Digestive Diseases	50	30	9	2	3	...	1	1	1
33	Acute and Chronic Nephritis	71	32	16	7	2	1	2	3	...
34	Oth. Diseases of Genito-Urinary System	43	18	7	3	5	2	...	1	...
35	Puerperal Sepsis	19	11	7	...	...	...	...	1	...
36	Other Puerperal Causes	15	7	3	2	...	...	1	...	1
37	Dis. of Skin, and of Locomotor System	32	11	8	1	1	2	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	186	99	22	7	11	6	5	5	9
39	Old Age	102	37	17	4	5	1	9	8	1
40	Suicide	18	6	4	2	1	2	...	2	...
42	Other Violence (41)	104	49	23	3	8	...	2	1	2
43	Causes Ill-defined or Unknown	57	43	2	...	1	1	...	...	...
	All Causes	3380	1571	661	223	203	93	98	84	60
	AGE AT DEATH.									
Under 1	...	416	217	63	22	25	10	8	13	17
1-4	...	159	97	18	10	6	5	2	4	2
5-9	...	50	26	9	5	3	...	1	1	1
10-14	...	29	13	6	3	...	1	1	2	...
15-24	...	134	76	15	3	4	5	6	3	3
25-34	...	153	89	24	7	2	1	7	2	5
35-44	...	183	87	33	7	14	5	4	6	1
45-54	...	332	155	58	19	17	14	8	10	8
55-64	...	534	247	106	34	25	11	22	7	10
65-74	...	708	319	161	55	47	21	17	21	6
75-84	...	553	195	132	51	50	16	19	12	6
85 and over	...	129	50	36	7	10	4	3	3	1
Not stated	...	...	...	...	...	...	...	...	...	...
	All Ages	3380	1571	661	223	203	93	98	84	60

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—March 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	3	...	...	1	1	...	2	...
5	Scarlet Fever	...	...	1	...	...	...	...	...
6	Whooping-cough	...	...	2	1	...	...	...	...
7	Diphtheria	...	...	1	2	1	1	1	...
8	Influenza...	1	1	1	2	1	1	1	...
14 (1)	Cerebro-spinal Fever	...	...	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System	3	1	2	1	3	...	...	3
11	Other Tuberculous Diseases	...	1	3	2	...	...	...	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	1	...	...	...	...	...	...
15	Cancer, Malignant Disease	8	7	1	3	4	4	6	8
18	Diabetes Mellitus	1	...	1	...	...	1	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	...	2	...	1	2	1	...
22	Cerebral Haemorrhage, &c.	4	5	8	5	8	2	2	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	2	3	2	...	3	...	2	...
24	Heart Disease	7	8	7	13	17	12	13	6
25	Other Circulatory Diseases	...	...	...	1	2	2	...	1
26	Bronchitis	3	3	3	3	...	2	1	3
27	Pneumonia (all forms)	4	2	4	3	9	2	3	...
28	Other Respiratory Diseases	...	1	1	2	...	...	1	1
32 (1)	Gastric and Duodenal Ulcer	1	...	...	...	...	...	...	...
29	Diarrhoea, &c. (all Ages)	...	...	1	...	...	1	...	...
30	Appendicitis	...	...	...	...	1	...	...	...
31 (1)	Cirrhosis of Liver	...	...	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	1	1	1	...	...	1	1
32 (2)	Other Digestive Diseases	...	1	...	...	...	2	...	...
33	Acute and Chronic Nephritis	1	3	...	...	1	...	1	2
34	Oth. Diseases of Genito-Urinary System	...	...	2	2	...	2	1	...
35	Puerperal Sepsis	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	...	...	...	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	...	2	1	...	1	3	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	3	4	7	...	2	...	4
39	Old Age	5	4	1	3	2	2	3	...
40	Suicide	...	...	...	...	1	...	...	...
42	Other Violence (41)	2	3	1	2	5	1	1	1
43	Causes Ill-defined or Unknown	1	2	...	1	2	...	...	2
	All Causes	49	52	49	53	64	41	41	38
	AGE AT DEATH.								
Under 1	...	4	5	11	11	...	3	3	4
1- 4	...	3	1	3	1	2	2	3	...
5- 9	...	...	1	1	1	...	1	...	...
10-14	...	...	2	...	...	...	1	...	...
15-24	...	2	1	4	1	6	1	2	2
25-34	...	4	1	2	2	4	1	1	2
35-44	...	2	4	7	4	1	2	4	5
45-54	...	2	5	3	7	12	5	4	5
55-64	...	8	11	5	10	15	9	5	9
65-74	...	5	7	9	3	13	7	8	9
75-84	...	16	13	4	12	7	6	10	4
85 and over	...	3	1	...	1	4	3	2	1
Not stated	...	...	...	...	...	...	...	...	...
	All Ages	49	52	49	53	64	41	41	38

\* See note (†), Table III.

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS**  
Made at Eleven of the Principal Towns during the Month of MARCH 1936.

OBSERVERS,	Height of Station above Sea-level.	AIR PRESSURE*			AIR TEMPERATURE.			HYGROMETER.*			RAIN, AND OTHER FORMS OF PRE- CIPITATION.			BRIGHT SUNSHINE.					
		Mean of PRESSURE* AT MEAN SEA LEVEL.†	Mean of PRESSURE* AT MEAN SEA LEVEL.†	Mean of PRESSURE* AT MEAN SEA LEVEL.†	Absolute Maximum and Minimum.		Mean of Depression of Wet Bulb.	Humidity.	Mean of Vapour Pressure.		Number of Days. Total Fall.	Difference from Average.		Per Cent. of Possible.					
					Day of Month.	Minimum.			Dry Bulb.			Depression of Wet Bulb.	Humidity.						
									Dry Bulb.	Depression of Wet Bulb.									
GLASGOW, Professor J. R. CURRIE, M. D., The University.	86 1003.5	Mb. inches	*F. 39.4	*F. 41.1	*F. 61	21, 22 32	11th	42.8 1.6	Mb. 8.1	% 87	20 2.56	-0.11	1.08	-1.55	9				
EDINBURGH, Professor R. A. SAMPSON, R.N.S., Royal Observatory.	1010.0	29.810	47.4	37.6	42.6	+2.2	60	41.6 4th	7.8	85	17	1.74	-0.23	2.19	19				
DUNDEE, College's Gardens.	147	1009.7	29.816	46.2	36.1	+0.8	55	31.4 27	41.4 1.7	7.5	85	19	2.24	+0.18	1.68	14			
ABERDEEN, The Meteorological Office.	79	1010.1	29.830	45.4	37.7	+1.2	67	30.0/h 29	40.9 1.7	7.3	85	17	1.63	-0.78	2.40	-1.52			
PASLEY, John Woodrow, The Coats Observatory.	106	1009.5	29.810	49.5	39.4	44.6 +2.7	63	21st 31	42.1 1.7	7.8	85	22	2.67	-0.51	1.22	-1.47			
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1009.8	29.819	48.4	39.5	43.9 +3.2	62	21st 32	42.1 1.7	7.8	85	20	4.04	-0.89	**	17			
KIRKCALDY, J. PAGE, for The Town Council.	63	**	46.9	37.1	42.0 +0.5	57	31st 26	41.8 4th	1.5	7.9	87	19	2.22	**	**	10			
KIUMARNOCK, W. DUNBAR, C.E.	132	**	49.4	38.5	43.9 +2.8	64	22nd 27	42.9 11th	1.9	7.9	84	19	2.35	-0.45	1.73	**			
AYR, The Medical Officer of Health.	43	**	49.8	37.6	43.7 **	64	22nd 27	43.1 11th	1.2	8.5	90	15	1.44	**	1.55	**			
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	**	46.9	36.7	41.8 **	60	21st 28	43.2 3rd	2.3	7.5	81	19	2.36	**	1.38	**			
PERTH, J. RITCHIE, The Museum.	76	1009.1	29.799	47.9	36.8	42.3 +1.7	60	21st 25	41.2 3rd	1.6	7.5	86	14	1.96	-0.53	1.32	-2.07		
Means	146	1009.7	29.810	47.9	37.9	42.9 +2.0	**	**	42.2 1.7	7.8	85	18	2.29	-0.41	1.57	-1.62	14		

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North Latitude—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 56° 51'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Dundee, 56° 24'; Aberdeen, 56° 24'; Paisley, 52° 56'; Dundee, 53° 11'; Edinburgh, 52° 17'; Paisley, 49° 26'; Greenock, 49° 46'; Perth, 50° 27'; Mean, 53° 36'.

\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h. All Jan. 1935 barometer readings have been adjusted to standard pressure in latitude 46°, and pressure is expressed in millibars (0.001 millibars = 0.51 mercury inches) and in centimetres of water.

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Library.  
MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

APRIL 1936.

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### REPORT

During the month of April 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,269 living children, of whom 2,136 were males and 2,133 were females. Compared with the number in the previous month, births of male children are 5 more, of female children 57 more, and of children of both sexes 62 more. The monthly birth-rate in these towns taken collectively was 20·5 per thousand. This rate is 1·0 more than that for the previous month, and is 0·2 above the average.

In the individual towns the monthly birth-rate ranged from 30·1 in Coatbridge, 22·9 in Kilmarnock and 21·9 in Greenock, to 16·5 in Dunfermline, 16·5 in Perth and 17·5 in Edinburgh. In Glasgow the rate was 21·5, in Hamilton 21·3, in Dundee 21·2, in Paisley 20·7, in Motherwell and Wishaw 20·4, in Aberdeen 20·3, in Clydebank 19·4, in Kirkcaldy 19·4, in Falkirk 19·0 and in Ayr 18·5.

Of the 4,269 living children whose births were registered during the month, 4,012 or 94·0 per cent. were legitimate, while 257 or 6·0 per cent. were illegitimate. The legitimate children numbered 51 more than in the previous month, and the illegitimate children 11 more. The illegitimate rate for the month is 0·2 above that for the previous month. In the individual towns it ranged from 12·5 in Perth, 8·5 in Kirkcaldy and 8·0 in Kilmarnock, to 2·0 in Dunfermline, 2·6 in Clydebank and 3·3 in Ayr. In Glasgow the rate was 5·9 and in Edinburgh 6·3.

Marriages registered during the month numbered 2,187 and are 882 more than in the previous month. The marriage-rate, 10·5 per thousand, is 4·4 above that for the previous month and 1·4 above the average. In the individual towns it ranged from 14·9 in Hamilton, 12·9 in Paisley, 12·0 in Dundee and 12·0 in Kirkcaldy, to 7·7 in Falkirk, 7·9 in Ayr and 8·6 in Coatbridge. In Glasgow the rate was 10·7 and in Edinburgh 9·8.

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

EDINBURGH

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Deaths registered in these towns during the month numbered 3,280 and are 419 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,005, of whom 1,535 were males and 1,470 were females. The corrected number is 375 fewer than in the previous month, males being 220 fewer and females 155 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 14·4 per thousand, being 1·3 below that for the previous month and 0·2 below the average. In the towns taken individually the death-rate ranged from 15·9 in Glasgow, 15·5 in Dunfermline and 15·1 in Greenock, to 11·9 in Kilmarnock and 12·0 in Paisley, in Coatbridge and in Perth. In Kirkcaldy it was 14·7, in Dundee 14·5, in Falkirk 14·5, in Ayr 13·3, in Edinburgh 13·1, in Clydebank 13·1, in Aberdeen 12·7, in Motherwell and Wishaw 12·1 and in Hamilton 12·1.

Deaths of children of less than one year old numbered 364, and equalled an infantile mortality rate of 94 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 52 fewer than in the previous month, while the rate is 10 less than in that month and 7 below the average. In the individual towns this rate ranged from 127 in Kirkcaldy, 121 in Glasgow and 113 in Ayr, to 22 in Dunfermline, 24 in Coatbridge and 52 in Paisley. In Greenock it was 109, in Clydebank 96, in Falkirk 94, in Kilmarnock 74, in Hamilton 71, in Aberdeen 68, in Edinburgh 67, in Perth 65, in Dundee 64, and in Motherwell and Wishaw 57.

Deaths from the principal epidemic diseases numbered 188 and equalled a death-rate of 0·9 per thousand. These deaths are 1 more than in the previous month, but the rate is the same. They include 3 from typhoid fever, 103 from measles, 8 from scarlet fever, 17 from whooping-cough, 15 from diphtheria, 19 from influenza, 7 from cerebro-spinal fever, and 16 from other epidemic diseases, 7 of which were ascribed to erysipelas, 5 to lethargic encephalitis, 3 to dysentery and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from typhoid fever are the same, from measles 47 more, from scarlet fever 7 more, from whooping-cough 3 fewer, from diphtheria 4 fewer, from influenza 30 fewer, from cerebro-spinal fever 6 fewer, and from other epidemic diseases 10 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 424, and equalled a death-rate of 2·0 per thousand. Compared with the number in the previous month these deaths are 166 fewer, while the rate is 0·7 less and is 0·5 below the average.

Deaths from all forms of tuberculosis numbered 225, of which 177 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 7 fewer, and those from respiratory tuberculosis 3 fewer. Compared with the average the former are 2 fewer, but the latter 7 more.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

APRIL 1936.

Mean barometric pressure, 30.011 ins.; greater than the average\* by 0.092 in.

Mean temperature, 43°.1 F.; less by 1°.3 F.

Mean daily range of temperature, 15°.0 F.; greater by 1°.4 F.

Mean daily sunshine, 5.63 hours; greater by 0.71 hours.

Rain, depth in inches, 0.99; less by 1.10 ins.

Wind, direction of : a five days' excess of north or north-east winds.

On the 1st an anticyclone approached Iceland from Eastern Greenland and moved slowly southwards over the country. After extending westwards over the Atlantic it again passed over the British Isles and then moved north-east and finally north, and by the 12th was centred again over East Greenland. Depressions from Denmark and Central Europe then began to move west and south-west over the southern parts of the British Isles and maintained their influence for a few days, but high pressure was maintained to the north and west of the country, and was the main controlling influence on the weather and wind over Scotland. Depressions moved from the Atlantic towards the western districts on the 19th and passed east and north-east until the 26th, when an anticyclone approached from the south-west.

Temperature in April was, on the average, below normal for the season, and more especially so during the first three weeks. At some places in the south-west, under the influence of bright sunshine, the 8th was actually the warmest day, but elsewhere in general the warmest days were after the 21st. The highest temperatures recorded were 63°F. at Stirling on the 8th, at Perth on 30th and at Montrose on 27th. Low screen minima occurred at different times in the month, 14°F. at Dalwhinnie and 17°F. at West Linton on the 21st, 18°F. at Braemar and 19°F. at Balmoral on the 23rd. On the ground some very low temperatures were again recorded, 4°F. on 21st, 5°F. on 23rd and 8°F. on 22nd at Dalwhinnie, 12°F. at Arbroath and at Peebles on 21st, 14°F. at Braemar on 23rd. Ground frost occurred at many places on over 20 nights.

Over a great part of the country a large amount of sunshine was recorded, over 200 hours at some places, and generally speaking about 20 hours beyond normal.

In the first ten days practically no rain fell and the rainfall for this month was almost everywhere below normal; in Angus, Aberdeen, Perth and parts of Dumfries and Ayr the total fall represented about one-third of the normal. There were no very heavy daily falls, the greatest being only about an inch at some places in the west between the 24th and 26th.

In small amounts snow fell in many places, particularly on the 11th to 13th and 20th to 22nd, and slight coverings lay on the higher ground in places for several days.

Fog was much less frequent than in recent months. Most places noted little or none, but Glasgow had fog on five mornings.

Locally in the north and west gale force was reached for short periods between 13th and 15th and between 23rd and 25th, but the gales were not severe.

Thunder was infrequent, brief occurrences being reported from one or two places on 20th, 22nd, 25th and 26th.

Aurora was observed from one place or another on no fewer than 16 days, namely on April 1st, 6th, 8th, 12th, 13th, 15th, 17th to 23rd, 25th, 29th and 30th.

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915 and in the case of temperature and sunshine to the period 1901-30.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 32.

*Abstract.*

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, APRIL 1936.

TOWNS.	POPULATION.		BIRTHS.				DEATHS.							
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	Both Sexes.	Both Sexes.	Males.	Females.	Transfers (Both Sexes.)	Corrected for Transfers (Both Sexes)	
GLASGOW, .	1,088,524	1,124,300	1977	1000	977	1861	116	985	1582	847	735	175	55	1462
EDINBURGH, .	439,010	464,600	667	331	336	625	42	373	578	279	299	94	13	497
DUNDEE, .	175,681	178,700	310	167	143	289	21	176	219	115	104	21	15	213
ABERDEEN, .	169,803	176,400	298	127	166	271	22	140	234	115	119	58	8	184
PAISLEY, .	86,445	89,700	152	71	81	145	7	95	92	44	43	13	9	88
GREENOCK, .	78,949	80,200	144	73	71	135	9	61	103	61	42	9	5	99
MOTHERWELL AND WISHAW, .	64,710	66,400	111	52	59	106	5	58	56	22	34	0	10	66
CLYDEBANK, .	46,952	48,500	77	46	31	75	2	35	31	13	18	1	22	52
KIRKCALDY, .	43,874	44,700	71	32	39	65	6	44	53	31	22	4	5	54
COATBRIDGE, .	43,056	43,800	108	50	58	104	4	31	38	20	18	4	9	43
KILMARNOCK, .	38,681	39,900	75	42	33	69	6	31	36	15	21	9	12	39
HAMILTON, .	37,990	38,400	67	32	35	62	5	47	37	23	14	2	3	38
AYR, .	38,905	40,300	61	31	30	59	2	26	53	30	23	11	2	44
FALKIRK, .	36,566	38,000	50	28	31	56	3	24	65	33	32	20	0	45
DUNFERMLINE, .	35,058	36,300	49	29	20	48	1	33	49	19	30	9	6	46
PERTH, .	34,807	35,500	48	25	23	42	6	28	54	21	33	19	0	35
TOTAL (SIXTEEN TOWNS)	2,459,011	2,545,700	4269	2136	2133	4012	257	2187	3280	1688	1592	449	174	3005

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, APRIL 1936.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				All Causes.	Principal Epidemic Diseases.								
GLASGOW, .	21·5	5·9	10·7	17·2	15·9	1·3	1·3	1·1	2·5	220	121		
EDINBURGH, .	17·5	6·3	9·8	15·2	13·1	0·4	0·8	0·7	1·6	40	67		
DUNDEE, .	21·2	6·8	12·0	14·0	14·5	0·7	1·2	1·0	1·6	17	64		
ABERDEEN, .	20·8	7·5	9·7	16·2	12·7	0·6	0·7	0·6	1·8	18	68		
PAISLEY, .	20·7	4·6	12·9	12·5	12·0	0·4	0·4	0·3	1·4	7	52		
GREENOCK, .	21·9	6·3	9·3	15·7	15·1	0·3	0·6	0·3	2·3	15	109		
MOTHERWELL AND WISHAW, .	20·4	4·5	10·7	10·3	12·1	1·1	1·1	0·2	1·1	6	57		
CLYDEBANK, .	19·4	2·6	8·8	7·8	13·1	1·5	0·8	0·5	2·5	7	96		
KIRKCALDY, .	19·4	8·5	12·0	14·5	14·7	1·1	0·8	0·8	2·2	7	127		
COATBRIDGE, .	30·1	3·7	8·6	10·6	12·0	0·3	1·4	1·4	1·4	2	24		
KILMARNOCK,	22·9	8·0	9·5	11·0	11·9	0·9	0·6	0·3	0·9	5	74		
HAMILTON, .	21·8	7·5	14·9	11·8	12·1	1·0	0·6	0·6	3·2	5	71		
AYR, .	18·5	3·3	7·9	16·0	18·3	0·3	0·9	0·3	1·2	6	113		
FALKIRK, .	19·0	5·1	7·7	20·9	14·5	0·0	1·9	1·3	1·3	5	94		
DUNFERMLINE,	16·5	2·0	11·1	16·5	15·5	0·3	1·0	0·7	1·7	1	22		
PERTH, .	18·5	12·5	9·6	18·6	12·0	0·0	0·7	0·7	1·7	3	65		
TOTAL (SIXTEEN TOWNS)	20·5	6·0	10·5	15·7	14·4	0·9	1·1	0·8	2·0	364	94		

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR APRIL 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM												Infantile Mortality Rate.	Mean Temperature (Seven Towns only).		
					Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	Other Epidemic Diseases.	Deaths from							
													(13)	(14)	(15)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)		
APR. 1936, .	20·5	6·0	10·5	14·4	3	103	8	17	15	19	7	16	94	43°·1						
APR. 1935, .	19·9	5·5	10·8	14·7	0	4	8	62	14	91	16	19	93	44°·7						
APR. 1934, .	19·9	6·4	10·1	15·9	0	240	14	31	36	17	8	15	113	44°·0						
APR. 1933, .	19·1	6·3	8·2	12·1	0	1	7	58	12	18	11	13	89	47°·7						
APR. 1932, .	21·1	6·6	7·4	15·2	0	81	10	27	24	73	17	17	107	42°·7						
APR. 1931, .	21·4	6·6	9·1	15·1	0	5	14	97	20	74	22	12	105	44°·8						
APR. 1930, .	21·6	6·4	9·7	15·3	1	106	5	63	23	43	20	24	103	45°·5						
APR. 1929, .	22·5	6·4	10·3	14·6	0	2	7	60	23	38	28	18	96	42°·8						
APR. 1928, .	22·7	5·7	9·6	16·1	1	107	10	104	38	38	11	12	116	45°·3						
APR. 1927, .	22·2	5·6	8·2	14·6	2	19	6	63	15	53	10	11	101	44°·4						
APR. 1926, .	24·8	6·0	8·4	10·4	2	138	25	59	41	330	7	14	123	47° 0						

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												§5 & over.
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-		
1	Typhoid Fever (including Paratyphoid) -	3	1	2	-	-	-	-	-	-	-	-	1	2	-	-	-
4	Measles -	103	56	47	36	64	3	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	8	2	6	-	5	1	-	-	1	1	-	-	-	-	-	-
6	Whooping-cough -	17	5	12	6	11	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	15	9	6	1	8	5	1	-	-	-	-	-	-	-	-	-
8	Influenza -	19	9	10	2	1	-	-	-	-	3	1	3	4	5	-	-
14 (1)	Cerebro-spinal Fever -	7	6	1	-	2	1	-	2	1	-	-	1	1	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	16	6	10	3	-	-	-	2	3	-	2	3	3	-	-	-
10	Tuberculosis of Respiratory System -	177	99	78	1	6	3	6	38	36	35	30	14	7	1	-	-
11	Other Tuberculous Diseases -	48	29	19	5	9	6	7	13	4	-	1	2	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	15	10	5	-	1	-	1	1	3	3	2	2	3	-	-	-
15	Cancer, Malignant Disease -	307	137	170	-	-	-	-	2	8	16	58	83	96	42	2	-
18	Diabetes Mellitus -	32	11	21	-	-	-	-	-	-	1	-	14	12	5	-	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	59	24	35	4	2	5	3	2	2	4	8	13	18	3	-	-
22	Cerebral Haemorrhage, &c. -	272	133	139	-	-	-	1	-	2	6	17	53	98	80	15	-
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	89	51	38	24	6	2	3	6	5	12	9	10	7	4	1	-
24	Heart Disease -	555	270	285	1	-	3	4	8	12	23	40	115	186	132	31	-
25	Other Circulatory Diseases -	44	21	23	1	-	-	-	1	1	1	1	1	3	17	11	8
26	Bronchitis -	140	74	66	11	-	-	-	3	-	3	11	21	41	39	11	-
27	Pneumonia (all forms) -	236	140	96	42	31	3	1	10	14	15	34	26	35	22	3	-
28	Other Respiratory Diseases -	48	30	18	5	2	-	-	-	2	2	7	11	7	11	1	-
32 (1)	Gastric and Duodenal Ulcer -	24	21	8	1	-	-	-	1	1	3	9	5	3	1	1	1
29	Diarrhoea, &c. (all ages)	55	32	23	38	5	1	-	-	2	2	4	1	1	1	1	-
30	Appendicitis -	20	10	10	-	2	1	4	2	3	1	3	1	1	1	1	1
31 (1)	Cirrhosis of Liver -	10	9	1	-	-	-	-	-	-	2	3	1	3	1	-	-
31 (2)	Other Diseases of Liver, &c. -	27	7	20	-	-	-	-	1	-	1	3	8	10	4	-	-
32 (2)	Other Digestive Diseases -	55	31	24	5	3	1	2	2	1	5	5	14	12	5	-	-
33	Acute and Chronic Nephritis -	83	37	46	-	3	1	-	4	2	7	16	20	17	11	2	-
34	Other Dis. of Genito-Urinary System -	46	30	16	1	1	1	1	1	1	2	3	6	16	12	2	-
35	Puerperal Sepsis -	8	-	8	-	-	-	-	2	3	3	-	-	-	-	-	-
36	Other Puerperal Causes -	15	-	15	-	-	-	-	2	11	2	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	26	16	10	3	1	1	2	3	-	1	2	2	4	6	1	-
38	Congen. Debil., Prem. Birth, Malform., &c.	167	87	80	164	1	-	-	2	-	-	-	-	-	-	-	-
39	Old Age -	90	32	58	-	-	-	-	4	6	5	8	6	5	16	51	23
40	Suicide -	34	17	17	-	-	-	-	4	6	5	8	6	5	-	-	-
42	Other Violence (41) -	88	54	34	5	7	7	3	10	8	8	6	9	12	10	3	-
43	Causes Ill-defined or Unknown -	47	29	18	5	-	-	1	1	2	2	17	11	8	-	-	-
ALL CAUSES -		3005	1535	1470	364	170	47	37	120	129	172	282	467	641	470	106	

\* See note (+), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—April 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	3	3	...	...	...	...	...	...	...
4	Measles	103	82	3	9	1	1	1	2	3
5	Scarlet Fever	8	3	1	...	1	1	1	...	...
6	Whooping-cough	17	7	2	...	1	1	1	3	1
7	Diphtheria	15	10	...	...	2	...	...	...	...
8	Influenza	19	11	4	...	...	...	2	...	...
14 (1)	Cerebro-spinal Fever	7	2	1	...	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)*	16	6	5	1	3	...	...	1	...
10	Tuberculosis of Respiratory System	177	99	27	15	9	2	2	1	2
11	Other Tuberculous Diseases	48	24	5	3	1	1	2	5	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	15	5	3	2	4	...	...	...	...
15	Cancer, Malignant Disease	307	137	57	32	17	13	9	4	7
18	Diabetes Mellitus	32	15	4	...	4	1	1	2	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	59	29	11	1	2	3	5	...	1
22	Cerebral Haemorrhage, &c.	272	111	55	21	20	9	8	8	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	89	43	11	7	4	3	6	3	...
24	Heart Disease	555	251	106	45	47	12	9	10	8
25	Other Circulatory Diseases	44	12	12	5	1	2	3	1	2
26	Bronchitis	140	62	22	9	13	3	8	2	2
27	Pneumonia (all forms)	236	144	31	14	12	4	7	3	2
28	Other Respiratory Diseases	48	23	8	...	1	3	1	...	1
32 (1)	Gastric and Duodenal Ulcer	24	11	4	...	2	1	1	...	...
29	Diarrhoea, &c. (all Ages)	55	41	1	2	2	2	2	1	...
30	Appendicitis	20	7	7	1	...	1	3	...	...
31 (1)	Cirrhosis of Liver	10	5	2	...	1	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	27	8	7	2	3	1	...	...	...
32 (2)	Other Digestive Diseases	55	26	13	4	3	1	4	2	...
33	Acute and Chronic Nephritis	83	31	17	7	9	7	1	1	1
34	Oth. Diseases of Genito-Urinary System	48	19	10	3	4	2	2	1	1
35	Puerperal Sepsis	8	3	...	1	1	...	...	...	...
36	Other Puerperal Causes	15	8	1	3	...	2	...	1	...
37	Dis. of Skin, and of Locomotor System	26	11	9	2	...	...	2	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	167	89	21	14	6	4	5	3	3
39	Old Age	90	39	18	3	2	1	7	4	...
40	Suicide	34	17	5	3	3	1	1	1	...
42	Other Violence (41)	88	39	14	4	3	3	4	5	1
43	Causes Ill-defined or Unknown	47	29	...	2	2	2	5	1	1
	All Causes	3005	1462	497	213	184	88	99	66	52
	AGE AT DEATH.									
Under 1	...	364	220	40	17	18	7	15	6	7
1-4	...	170	108	13	14	5	3	4	4	7
5-9	...	47	24	4	3	2	1	2	...	1
10-14	...	37	17	5	6	1	...	6	...	...
15-24	...	120	67	9	10	4	1	4	5	2
25-34	...	129	73	17	5	4	4	3	3	2
35-44	...	172	66	31	14	12	9	9	4	3
45-54	...	282	150	42	22	16	11	7	8	4
55-64	...	467	216	86	34	32	20	10	14	10
65-74	...	641	287	124	46	45	16	20	12	9
75-84	...	470	206	96	30	36	14	18	6	7
85 and over	...	106	28	30	12	9	1	2	2	...
Not stated	...	...	...	...	...	...	...	...	...	...
	All Ages	3005	1462	497	213	184	88	99	66	52

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—April 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.								
	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.	
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	2	...	...	...	...	...	...	...
5	Scarlet Fever	1	...	...	1	...	...	...	...
6	Whooping-cough	1	...	...	1	...	...	...	...
7	Diphtheria	1	...	...	1	...	...	...	...
8	Influenza...	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System	3	5	1	2	1	4	2	2
11	Other Tuberculous Diseases	...	...	1	...	2	2	1	...
14 (3)	Oth. Infectious and Parasitic Dis.(12, 13)	1	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	3	7	2	3	4	4	3	5
18	Diabetes Mellitus	1	...	...	...	1	...	2	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	...	2	1	2	...	2	...
22	Cerebral Haemorrhage, &c.	3	5	3	2	2	3	8	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	4	1	...	...	...	3	3	1
24	Heart Disease	5	9	9	6	12	11	10	5
25	Other Circulatory Diseases	...	1	...	...	2	2	1	...
26	Bronchitis	3	4	2	4	1	1	2	2
27	Pneumonia (all forms)	3	1	1	3	1	2	1	3
28	Other Respiratory Diseases	2	...	...	3	2	1	2	...
32 (1)	Gastric and Duodenal Ulcer	1	1	...	...	...	1	1	1
29	Diarrhoea, &c. (all Ages)	...	...	...	1	3	...	...	...
30	Appendicitis	...	1	...	...	...	...	...	...
31 (1)	Cirrhosis of Liver	...	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	...	...	...	1	1	2	1
32 (2)	Other Digestive Diseases	1	...	...	...	1	...	...	...
33	Acute and Chronic Nephritis	3	1	1	...	2	...	1	1
34	Oth. Diseases of Genito-Urinary System	1	...	...	...	1	...	...	2
35	Puerperal Sepsis	1	...	1	1	...	...	...	...
36	Other Puerperal Causes	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	1	1	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	5	2	4	3	3	4	...	1
39	Old Age	6	1	2	1	1	1	2	2
40	Suicide	...	...	...	1	...	...	1	1
42	Other Violence (41)	1	...	4	3	1	5	...	1
43	Causes Ill-defined or Unknown	1	2	2	1	...	...	1	...
	All Causes	...	54	43	39	38	44	45	46
	AGE AT DEATH.								
Under 1	...	...	7	2	5	5	6	5	1
1-4	...	...	4	1	...	2	2	2	1
5-9	...	...	1	2	1	1	2	1	1
10-14	...	...	...	1	...	...	...	...	...
15-24	...	...	3	3	4	3	1	2	1
25-34	...	...	2	3	2	1	1	3	5
35-44	...	...	5	4	2	5	2	4	...
45-54	...	...	12	3	2	3	1	3	5
55-64	...	...	6	5	2	3	5	7	11
65-74	...	...	9	11	10	11	14	12	9
75-84	...	...	11	7	8	3	6	5	10
85 and over	...	...	4	2	2	1	4	1	4
Not stated	...	...	...	...	...	...	...	...	...
	All Ages	...	54	43	39	38	44	45	46
									35

\* See note (†), Table III.

*Abstract of Meteorological Observations.*

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS  
Made at Eleven of the Principal Towns during the Month of APRIL 1936.**

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL. <sup>†</sup>				AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRECIPITATION.				BRIGHT SUNSHINE.				
		Mean of		Absolute Maximum and Minimum.		Mean of		Humidity.		Mean of		Total Fall.		Difference from Average.		Daily Mean.		Difference from Average.		Per Cent. of Possible.		
		Maximum (A.)	Minimum (B.)	Day of Month.	Day of Month.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	°F.	°F.	°F.	°F.	inch.	inch.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.
GLASGOW, M.D., The University.	85	Mb. 2016/6	inches. 20/20	• F. 37	• F. 41	• F. 58	• F. 29	21st	10	71	69	71	1.07	-1.01	43.8	37.6	36	6.9	3.6	4.32	+0.17	31
EDINBURGH, R.R.S., Royal Observatory.	441	Mb. 1016/3	inches. 30/013	• F. 36.0	• F. 42.1	• F. 60	• F. 27.6	30	6.20	41.5	3.3	6.2	71	16	-1.41	-0.06	5.83	+1.14	41			
DUNDEE, College Gardens.	147	Mb. 1016/0	inches. 30/003	• F. 49.1	• F. 34.6	• F. 61	• F. 27.6	28	21.22	44.5	4.6	6.5	64	9	0.60	-1.10	5.78	+0.99	41			
ABERDEEN, The Meteorological Office.	79	Mb. 1015.3	inches. 29/983	• F. 47.5	• F. 36.2	• F. 61.9	• F. 25.6	28	42.4	3.6	6.4	71	14	0.70	-1.17	5.93	+0.90	38				
PAISLEY, John Woodrow, The Coats Observatory.	106	Mb. 1016.5	inches. 30/018	• F. 52.5	• F. 36.7	• F. 62	• F. 27	21st	43.9	3.6	6.9	71	7	1.19	-1.13	5.09	+0.37	36				
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	Mb. 1016.8	inches. 30/026	• F. 50.9	• F. 37.7	• F. 61.8	• F. 27	30	21st	43.3	3.9	6.4	68	8	1.55	-2.00	6.04		43			
KIRKCALDY, J. PAGE, for The Town Council.	63	Mb. 132	inches. ..	• F. 51.6	• F. 36.2	• F. 62	• F. 27.6	26	21st	45.0	4.1	6.9	67	7	0.94	..	..	..	..			
KILMARNOCK, W. DUNIAE, C.E.	132	Mb. 143	inches. ..	• F. 52.7	• F. 34.0	• F. 60	• F. 25.6	22	21st	44.3	3.7	6.9	70	9	1.07	-0.99	6.01	+1.26	43			
AYR, The Medical Officer of Health.	43	Mb. 132	inches. ..	• F. 51.2	• F. 34.8	• F. 60	• F. 25.6	25	16th	42.1	1.6	7.8	86	5	0.56	..	6.75	..	48			
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	Mb. 1016.5	inches. 30/013	• F. 51.8	• F. 33.5	• F. 63	• F. 26	26	21.23	45.8	4.3	7.0	67	10	1.24	..	5.28	..	37			
PERTH, J. Ritchie, The Museum.	Means	• F. 146	• F. 1016.3	• F. 30/011	• F. 50.6	• F. 35.6	• F. 43.1	• F. -1.3	..	..	..	..	43.7	3.6	6.8	70	5	0.55	-1.23	5.24	+0.17	37
																				5.63	+0.71	39

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\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h, only, and at Aberdeen at 7h. and 18h.

North Latitude—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 56° 24'; Perth, 56° 24'; Paisley, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 46'; Greenock, 4° 46'; Perth, 3° 26'; Mean, 3° 36'.

For Official Use.

The Royal Sanitary Institute

Library.  
MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

MAY 1936.

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REPORT

During the month of May 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,217 living children, of whom 2,192 were males and 2,025 were females. Compared with the number in the previous month, births of male children are 56 more, of female children 108 fewer, and of children of both sexes 52 fewer. The monthly birth-rate in these towns taken collectively was 19·6 per thousand. This rate is 0·9 less than that for the previous month, and is 0·5 below the average.

In the individual towns the monthly birth-rate ranged from 28·3 in Coatbridge, 23·4 in Hamilton, and 21·0 in Glasgow, to 13·5 in Kirkcaldy, 16·7 in Perth, and 16·8 in Falkirk. In Kilmarnock the rate was 20·4, in Greenock 20·0, in Motherwell and Wishaw 19·9, in Clydebank 19·2, in Ayr 19·0, in Dundee 18·9, in Paisley 18·2, in Dunfermline 17·6, in Aberdeen 17·5, and in Edinburgh 17·3.

Of the 4,217 living children whose births were registered during the month, 3,955 or 93·8 per cent. were legitimate, while 262 or 6·2 per cent. were illegitimate. The legitimate children numbered 57 fewer than in the previous month, but the illegitimate children 5 more. The illegitimate rate for the month is 0·2 above that for the previous month. In the individual towns it ranged from 14·0 in Perth, 8·4 in Edinburgh, and 8·1 in Greenock, to 0·9 in Motherwell and Wishaw, 1·3 in Clydebank, and 1·4 in Kilmarnock. In Glasgow the rate was 6·4.

Marriages registered during the month numbered 665 and are 1,522 fewer than in the previous month. The marriage-rate, 3·1 per thousand, is 7·4 below that for the previous month and 0·8 below the average. In the individual towns it ranged from 4·6 in Aberdeen, 4·1 in Ayr, and 3·4 in Edinburgh, to 1·2 in Kilmarnock, 1·3 in Kirkcaldy and 1·6 in Motherwell and Wishaw. In Glasgow the rate was 3·3.

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

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Deaths registered in these towns during the month numbered 3,082 and are 198 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,826, of whom 1,452 were males and 1,374 were females. The corrected number is 179 fewer than in the previous month, males being 83 fewer and females 96 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 13·1 per thousand, being 1·3 below that for the previous month and 0·1 below the average. In the towns taken individually the death-rate ranged from 14·3 in Greenock, 13·9 in Glasgow, and 13·7 in Dundee, to 8·8 in Clydebank, 9·5 in Kilmarnock, and 11·2 in Falkirk. In Coatbridge the rate was 13·5, in Ayr 13·5, in Perth 13·3, in Hamilton 13·2, in Aberdeen 13·1, in Edinburgh 12·3, in Paisley 12·1, in Motherwell and Wishaw 11·6, in Kirkcaldy 11·4, and in Dunfermline 11·4.

Deaths of children of less than one year old numbered 352, and equalled an infantile mortality rate of 88 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 12 fewer than in the previous month, while the rate is 6 less than in that month but is the same as the average. In the individual towns this rate ranged from 146 in Perth, 138 in Coatbridge, and 129 in Greenock, to 14 in Kilmarnock, 21 in Dunfermline, and 41 in Hamilton. In Glasgow the rate was 99, in Edinburgh 82, in Aberdeen 78, in Dundee 74, in Paisley 73, in Motherwell and Wishaw 73, in Clydebank 67, in Falkirk 56, in Ayr 55, and in Kirkcaldy 54.

Deaths from the principal epidemic diseases numbered 198 and equalled a death-rate of 0·9 per thousand. These deaths are 10 more than in the previous month, but the rate is the same. They include 5 from typhoid fever, 131 from measles, 2 from scarlet fever, 14 from whooping-cough, 10 from diphtheria, 10 from influenza, 8 from cerebro-spinal fever, and 18 from other epidemic diseases, 10 of which were ascribed to erysipelas, 6 to lethargic encephalitis, 1 to dysentery and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from typhoid fever are 2 more, from measles 28 more, from scarlet fever 6 fewer, from whooping-cough 3 fewer, from diphtheria 5 fewer, from influenza 9 fewer, from cerebro-spinal fever 1 more, and from other epidemic diseases 2 more.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 390, and equalled a death-rate of 1·8 per thousand. Compared with the number in the previous month these deaths are 34 fewer, while the rate is 0·2 less, but is the same as the average.

Deaths from all forms of tuberculosis numbered 197, of which 143 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 28 fewer, and those from respiratory tuberculosis 34 fewer. Compared with the average the former are 26 fewer, and the latter 23 fewer.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MAY 1936.

Mean barometric pressure, 30·110 ins.; higher than the average\* by 0·133 in.

Mean temperature, 50°·8 F.; greater by 1°·0 F.

Mean daily range of temperature, 14°·8 F.; greater by 0°·4 F.

Mean daily sunshine, 5·68 hours; greater by 0·28 hour.

Rain, depth in inches, 1·43; less by 1·00 in.

Wind, direction of: a four days' excess of north-easterly winds.

From the 1st to the 4th anticyclonic conditions prevailed with light winds, good sunshine records except in the east, and low night temperatures. From the 6th to

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

the 12th the country was under the influence of an anticyclone over Scandinavia. Weather was generally dry and sunny in the north and west from the 8th to the 11th. On the 15th a depression on the Atlantic moved north and an associated trough east, giving rise to rain and strong southerly winds in the west and north. During the 16th and 17th a deep depression off north-west Ireland and a shallow disturbance over France caused rain in the west and thunderstorms or heavy thundery showers in Scotland. During the 18th-19th a depression over Spain spread northwards and rain and thundery showers were experienced locally with temperatures above normal, but good sunshine records were obtained in the east. An anticyclone to the north-west of the British Isles and disturbances over Scandinavia and France formed the pressure distribution for the 20th-21st. Fresh north-easterly winds and long sunny periods were general with high day temperatures. From 22nd-23rd a depression moved south from Iceland and rain fell in Scotland, spreading later to England. A high pressure area was centred to the north and a disturbance on the Continent from 24th-28th, and rain occurred generally. Cold northerly winds and low temperatures were general in the closing days of the month with some thundery showers and bright periods.

Temperature was generally slightly in excess of the normal, though low day maxima were a feature of some coastal stations in the east. At Aberdeen the mean daily maximum temperature was only  $52^{\circ}4$  F. or  $1^{\circ}2$  F. below normal. Dry, sunny weather brought a marked rise in temperature during the second week, when readings of  $70^{\circ}$  F. or above were recorded at a large number of stations. The highest values were  $73^{\circ}$  F. at Ruthwell and Ardtornish and  $72^{\circ}$  F. at Kilmarnock on the 10th. The lowest screen minima were recorded in the first week, namely,  $26^{\circ}$  F. at Dalwhinnie on the 1st and  $27^{\circ}$  F. at Balmoral, Braemar and Logie Coldstone on the 4th; but there were also some low temperatures in eastern districts at the close of the month. Ground frosts were reported from one place or another on 16 nights. Dalwhinnie reported  $17^{\circ}$  F. on the 1st and  $18^{\circ}$  F. on the 9th. Other low values were  $20^{\circ}$  F. on the 1st and  $21^{\circ}$  F. on the 13th and 21st at Auchincruive,  $22^{\circ}$  F. at West Linton on the 21st, and  $23^{\circ}$  F. at Balmoral and Braemar on the 4th.

Over the greater part of Scotland sunshine was abundant, the excess over the normal being about 30 hours in the extreme north and exceeding 20 hours along the east coast and in the south. The total reached 262 hours at Tiree.

The general deficiency of rainfall was an outstanding feature of the month, only small areas in the west and near Balmoral having a precipitation above normal. In some parts of the Western Highlands and also in the Border country the rainfall was less than half the normal. A new low record for May was established at Eskdalemuir, where the total amounted to only 0.60 inch. The wettest days were the 16th and 17th, when thunderstorms brought heavy rains to many places, especially in the south-west. The largest falls on the 16th were 2.46 inches at Ardrishaig and 2.10 inches at Ardmaddy Castle. On the 17th there were 3.10 inches at Pottaloch and 2.12 inches at Tobermory.

Snow was reported at Dalwhinnie and in Skye on the 30th, and sleet showers occurred locally on the 31st.

Hail fell at a few places on the 16th, 26th and 29th and more generally on the 30th and 31st.

Fog was of infrequent occurrence, but was reported on 4 or 5 days at some places in the south.

The wind reached gale force locally on 6 days but the gales were not severe.

Thunder was reported from a few scattered places in the first week and more generally on the 16th, 17th and 26th.

Only one report of aurora was received, viz. from Lerwick on the 12th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 40.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, MAY 1936.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.									
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.		Males.		Females.		Legiti- mate.		Illegiti- mate.		MARRIAGES.		REGISTERED		TRANSFERS (Both Sexes.)	
			Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	Both Sexes.	Males.	Females.	Out.	In.	Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes)
GLASGOW, .	1,088,524	1,124,300	2000	995	1005	1872	128	312	1420	767	662	166	50	1323				
EDINBURGH, .	439,010	464,600	680	376	304	623	57	133	562	293	269	90	13	485				
DUNDEE, .	175,681	178,700	286	161	125	270	16	40	221	103	118	21	8	208				
ABERDEEN, .	169,803	176,400	262	137	125	244	18	68	234	124	110	54	15	195				
PAISLEY, .	86,445	89,700	138	86	52	184	4	16	102	56	46	12	2	92				
GREENOCK, .	73,949	80,200	136	79	57	125	11	16	96	52	44	3	4	97				
MOTHERWELL AND WISHAW, .	64,710	66,400	112	55	57	111	1	9	51	22	29	0	14	65				
CLYDEBANK, .	46,952	48,500	79	44	35	73	1	7	16	6	10	0	20	36				
KIRKCALDY, .	43,874	44,700	51	23	28	47	4	5	43	15	28	4	4	43				
COATBRIDGE, .	42,056	43,800	105	48	57	102	3	8	43	29	14	0	7	50				
KILMARNOCK, .	38,681	39,900	69	31	38	68	1	4	43	23	20	13	2	32				
HAMILTON, .	37,990	38,400	76	39	37	73	3	8	36	15	21	4	11	43				
AYR, .	38,905	40,300	65	39	26	60	5	14	68	36	32	27	6	46				
FALKIRK, .	36,566	38,000	54	28	26	53	1	9	52	30	22	17	1	36				
DUNFERMLINE, .	35,058	36,300	54	23	31	52	2	7	36	21	15	8	7	35				
PERTH, .	34,807	35,500	50	28	22	43	7	9	50	24	26	11	1	40				
TOTAL (SIXTEEN TOWNS)	2,459,011	2,545,700	4217	2192	2025	3955	262	665	3082	1616	1466	420	165	2826				

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, MAY 1936.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 OF POPULATION FROM								DEATHS UNDER ONE YEAR OF AGE.					
				All Causes.		Regis- tered.		Corr. for Trans- fers.		Principal Epidemic Diseases.		All Tuber- culosis.		Tubero- of Respiratory System.		All Respira- tory Diseases (not Tuberc.)	
				Number.	* Rate per 1000 Births.												
GLASGOW, .	21·0	6·4	3·3	15·0	13·0	1·4	1·0	0·8	2·2	186	99						
EDINBURGH, .	17·3	8·4	3·4	14·3	12·3	0·4	0·9	0·7	1·4	51	82						
DUNDEE, .	18·9	5·6	2·6	14·6	13·7	1·3	0·6	0·5	1·9	20	74						
ABERDEEN, .	17·6	6·9	4·6	15·7	13·1	0·5	0·7	0·6	1·9	21	78						
PAISLEY, .	18·2	2·9	2·1	13·4	12·1	1·4	0·5	0·4	1·3	10	73						
GREENOCK, .	20·0	8·1	2·4	14·1	11·3	0·0	1·5	0·7	1·3	18	129						
MOTHERWELL AND WISHAW, .	19·0	0·9	1·6	9·1	11·6	0·4	1·1	0·9	1·6	8	73						
CLYDEBANK, .	19·2	1·3	1·7	8·9	8·8	0·2	0·2	0·0	1·5	5	67						
KIRKCALDY, .	13·5	7·8	1·3	11·4	11·4	0·3	1·1	0·5	0·5	3	54						
COATBRIDGE, .	28·3	2·9	2·2	11·6	13·5	0·3	1·3	0·8	2·7	12	138						
KILMARNOCK, .	20·4	1·4	1·2	12·7	9·5	0·6	0·9	0·6	1·2	1	14						
HAMILTON, .	23·4	8·9	2·6	11·1	13·2	1·8	0·9	0·3	1·8	3	41						
AYR, .	19·0	7·7	4·1	19·9	13·5	0·3	0·6	0·6	0·6	3	55						
FALKIRK, .	16·8	1·9	2·8	16·2	11·2	0·3	1·6	0·9	0·9	3	56						
DUNFERMLINE, .	17·6	3·7	2·3	11·7	11·4	0·3	1·0	0·7	0·7	1	21						
PERTH, .	16·7	14·0	3·0	16·7	13·3	0·0	0·3	0·3	1·7	7	146						
TOTAL (SIXTEEN TOWNS)	19·6	6·2	3·1	14·3	13·1	0·9	0·9	0·7	1·8	352	88						

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &amp;c. FOR MAY 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate. (2)	Illegitimate Birth- rate per 100 Births. (3)	Marriage-Rate. (4)	Death-Rate. (5)	DEATHS FROM									Infantile Mortality Rate. (14)	Mean Temperature (Seven Towns only). (15)	
					*Typhoid Fever. (6)	Measles. (7)	Scarlet Fever. (8)	Whooping- Cough. (9)	Diphtheria. (10)	Influenza. (11)	Cerebro- spinal Fever. (12)	Other Epidemic Diseases. (13)				
MAY 1936, .	19·6	6·2	3·1	13·1	5	131	2	14	10	10	8	18	88	50·8		
MAY 1935, .	20·3	5·5	3·6	13·3	3	3	8	41	22	26	6	12	83	49·8		
MAY 1934, .	19·4	6·2	3·7	14·1	0	251	16	35	33	9	14	15	95	50·4		
MAY 1933, .	20·2	5·9	4·6	12·9	1	2	10	66	14	25	15	15	86	51·1		
MAY 1932, .	20·4	6·1	4·2	13·4	0	63	10	28	9	35	13	13	88	49·3		
MAY 1931, .	20·4	7·4	3·2	12·5	0	21	11	67	17	25	19	15	87	50·7		
MAY 1930, .	22·0	6·5	3·2	14·1	0	82	7	64	22	27	21	19	91	49·6		
MAY 1929, .	21·6	7·5	3·4	13·7	1	1	4	51	22	12	30	16	94	50·5		
MAY 1928, .	22·4	6·7	3·3	14·1	1	83	5	109	15	27	6	10	95	49·6		
MAY 1927, .	22·1	6·7	4·5	13·3	1	18	6	71	12	29	12	17	85	48·4		
MAY 1926, .	22·4	5·9	4·2	14·1	0	66	17	26	21	68	2	24	81	48·3		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1936.

Intern'l Short List. Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
					-1	1	5	10	15	25	35	45	55	65	75	85 & over
1	Typhoid Fever (including Paratyphoid) -	5	-	5	-	-	-	2	1	1	-	-	-	1	-	-
4	Measles -	131	67	64	42	87	2	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	2	-	2	-	2	-	-	-	-	-	-	-	-	-	-
6	Whooping-cough -	14	6	8	6	7	1	-	-	-	-	-	-	-	-	-
7	Diphtheria -	10	2	8	2	5	2	-	1	-	-	-	-	-	-	-
8	Influenza -	10	7	3	3	-	-	-	2	1	2	2	-	1	1	1
14 (1)	Cerebro-spinal Fever -	8	4	4	4	2	-	1	1	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	18	9	9	1	2	-	1	1	2	2	5	1	1	1	1
10	Tuberculosis of Respiratory System -	143	83	60	-	1	2	2	33	38	28	20	12	7	-	-
11	Other Tuberculous Diseases -	54	29	25	7	16	6	6	4	4	3	4	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	20	12	8	2	1	-	-	-	1	3	6	7	-	-	-
15	Cancer, Malignant Disease -	329	149	180	-	1	-	-	4	18	54	97	91	52	12	-
18	Diabetes Mellitus -	32	9	23	-	-	-	-	1	1	5	6	12	6	1	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	70	30	40	5	2	5	6	6	9	3	7	10	11	5	1
22	Cerebral Haemorrhage, &c.	237	97	140	-	-	-	-	3	2	7	18	52	83	62	10
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	63	37	26	13	4	1	2	8	4	8	6	7	2	-	-
24	Heart Disease -	544	263	281	-	-	-	2	6	13	20	49	103	174	151	26
25	Other Circulatory Diseases -	64	44	20	-	-	-	-	-	1	2	5	10	19	20	7
26	Bronchitis -	116	68	48	6	3	-	1	1	3	3	10	19	37	27	6
27	Pneumonia (all forms) -	242	152	90	54	34	1	1	9	9	18	36	31	32	13	4
28	Other Respiratory Diseases -	32	18	14	-	3	-	-	2	-	2	5	4	9	7	-
32 (1)	Gastric and Duodenal Ulcer -	17	12	5	-	-	-	-	-	-	6	6	2	1	2	-
29	Diarrhoea, &c. (all ages) -	52	25	27	40	5	-	-	1	-	-	2	1	1	2	-
30	Appendicitis -	20	12	8	-	2	1	3	3	1	-	3	3	1	-	-
31 (1)	Cirrhosis of Liver -	13	10	3	-	-	-	-	1	1	1	1	3	6	-	-
31 (2)	Other Diseases of Liver, &c. -	12	3	9	-	-	-	-	1	2	-	1	4	3	1	-
32 (2)	Other Digestive Diseases -	46	14	32	4	4	1	1	6	3	1	7	5	8	6	-
33	Acute and Chronic Nephritis -	66	27	39	-	-	-	2	3	6	11	6	17	12	9	-
34	Other Dis. of Genito-Urinary System -	40	27	13	4	-	-	-	2	3	3	1	7	15	5	2
35	Puerperal Sepsis -	5	-	5	-	-	-	-	2	3	-	-	-	-	-	-
36	Other Puerperal Causes -	8	-	8	-	-	-	-	1	4	3	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	25	16	9	6	2	2	1	1	3	1	1	3	4	1	-
38	Congen. Debil., Prem. Birth, Malform., &c.	157	96	61	154	3	-	-	-	-	-	-	-	-	-	-
39	Old Age -	72	29	43	-	-	-	-	-	-	-	-	1	12	35	24
40	Suicide -	28	19	9	-	-	-	-	-	4	4	9	8	3	-	-
42	Other Violence (41) -	87	53	34	1	7	6	2	8	3	12	12	12	12	11	1
43	Causes Ill-defined or Unknown -	34	23	11	1	-	-	-	-	1	3	12	7	9	1	-
	ALL CAUSES -	2826	1452	1374	352	193	30	33	104	127	166	281	438	573	431	98

\* See note (+), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—May 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	5	2	1	...	1	...	...	...	...
4	Measles	131	99	8	14	...	5	...	...	...
5	Scarlet Fever	2	2	...	...	...	2	...	...	...
6	Whooping-cough	14	8	1	1	1	...	...	...	...
7	Diphtheria	10	4	...	1	1	...	...	...	...
8	Influenza	10	4	2	2	...	4	...	1	...
14 (1)	Cerebro-spinal Fever	8	3	1	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	18	8	2	1	4	...	...	1	1
10	Tuberculosis of Respiratory System	143	72	26	7	9	3	5	5	5
11	Other Tuberculous Diseases	54	24	9	2	1	1	5	1	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	20	6	7	3	2	...	1	1	...
15	Cancer, Malignant Disease	329	142	70	30	21	11	8	8	4
18	Diabetes Mellitus	32	10	7	2	3	2	1	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	70	33	14	4	5	3	...	3	...
22	Cerebral Haemorrhage, &c.	237	105	44	14	14	12	13	6	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	63	27	6	2	14	1	4	1	...
24	Heart Disease	544	228	87	55	55	18	15	14	5
25	Other Circulatory Diseases	64	22	18	3	5	...	4	1	2
26	Bronchitis	116	63	9	14	8	1	2	6	...
27	Pneumonia (all forms)	242	139	34	14	19	6	6	3	6
28	Other Respiratory Diseases	32	8	11	1	2	3	1	...	...
32 (1)	Gastric and Duodenal Ulcer	17	7	5	1	1	...	4	2	1
29	Diarrhoea, &c. (all Ages)	52	35	3	2	...	...	...	...	1
30	Appendicitis	20	11	1	2	2	1	...	1	...
31 (1)	Cirrhosis of Liver	13	8	2	1	1	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	12	5	2	...	1	...	2	...	...
32 (2)	Other Digestive Diseases	46	21	11	3	2	2	2	1	1
33	Acute and Chronic Nephritis	66	33	13	...	2	2	4	1	...
34	Oth. Diseases of Genito-Urinary System	40	15	10	2	1	1	1	2	2
35	Puerperal Sepsis	5	...	...	1	...	...	1	...	...
36	Other Puerperal Causes	8	2	4	...	1	...	1	...	...
37	Dis. of Skin, and of Locomotor System	25	10	6	3	...	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	157	64	34	9	8	4	13	6	2
39	Old Age	72	28	12	3	1	3	3	2	...
40	Suicide	28	8	6	4	5	1	1	...	...
42	Other Violence (41)	87	43	16	6	5	...	1	1	2
43	Causes Ill-defined or Unknown	34	24	3	1	...	1	1	...	1
	All Causes	2826	1323	485	208	195	92	97	65	36
	AGE AT DEATH.									
Under 1	...	352	186	51	20	21	10	18	8	5
1- 4	...	193	115	19	17	4	10	2	2	1
5- 9	...	30	14	4	4	1	...	...	1	...
10-14	...	33	14	6	3	2	1	...	1	1
15-24	...	104	56	11	7	7	2	7	1	1
25-34	...	127	59	18	5	8	2	6	11	3
35-44	...	166	76	31	10	9	9	9	...	3
45-54	...	281	128	55	19	24	5	8	9	5
55-64	...	438	217	82	27	23	15	13	10	6
65-74	...	573	268	102	44	44	18	19	15	6
75-84	...	431	165	81	38	41	18	13	6	5
85 and over	...	98	25	25	14	11	2	2	1	...
Not stated	...	...	...	...	...	...	...	...	...	...
	All Ages	2826	1323	485	208	195	92	97	65	36

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—May 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	1	1	1	1	1	1	1
4	Measles ...	1	1	1	2	1	1	1	1
5	Scarlet Fever ...	1	1	1	1	1	1	1	1
6	Whooping-cough ...	1	1	1	1	1	1	1	1
7	Diphtheria ...	1	1	1	1	1	1	1	1
8	Influenza ...	1	1	1	1	1	1	1	1
14 (1)	Cerebro-spinal Fever ...	1	1	1	1	1	1	1	1
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	1	1	1	1	1	1	1	1
10	Tuberculosis of Respiratory System ...	2	3	2	1	2	3	2	1
11	Other Tuberculous Diseases ...	2	2	1	2	2	2	1	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13) ...	1	1	1	1	1	1	1	1
15	Cancer, Malignant Disease ...	6	4	3	2	7	6	3	4
18	Diabetes Mellitus ...	1	1	3	1	1	1	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19) ...	1	1	1	3	1	2	2	2
22	Cerebral Haemorrhage, &c. ...	2	2	1	2	4	2	2	8
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21) ...	1	1	1	2	1	1	1	1
24	Heart Disease ...	10	11	8	7	12	8	8	3
25	Other Circulatory Diseases ...	2	2	1	1	2	1	1	2
26	Bronchitis ...	1	2	3	2	1	1	1	3
27	Pneumonia (all forms) ...	1	8	4	1	1	1	1	1
28	Other Respiratory Diseases ...	1	1	1	1	2	1	1	1
32 (1)	Gastric and Duodenal Ulcer ...	1	1	1	1	1	1	1	1
29	Diarrhoea, &c. (all Ages) ...	1	2	1	1	1	1	1	1
30	Appendicitis ...	1	1	1	1	1	1	1	1
31 (1)	Cirrhosis of Liver ...	1	1	1	1	1	1	1	1
31 (2)	Other Diseases of Liver, &c. ...	1	1	1	1	1	1	1	1
32 (2)	Other Digestive Diseases ...	1	1	1	1	1	1	1	1
33	Acute and Chronic Nephritis ...	3	3	1	1	2	1	1	1
34	Oth. Diseases of Genito-Urinary System ...	1	1	1	1	1	1	2	1
35	Puerperal Sepsis ...	1	1	1	1	1	1	1	1
36	Other Puerperal Causes ...	1	1	1	1	1	1	1	1
37	Dis. of Skin, and of Locomotor System ...	1	1	1	1	1	1	1	1
38	Congenital Debility, Premature Birth, Malformations, &c. ...	1	4	1	3	2	1	6	1
39	Old Age ...	6	1	1	2	3	2	2	3
40	Suicide ...	1	1	1	1	1	1	1	1
42	Other Violence (41) ...	1	2	3	2	2	3	1	1
43	Causes Ill-defined or Unknown ...	1	2	1	1	1	1	1	1
	All Causes ...	43	50	32	43	46	36	35	40
	AGE AT DEATH.								
Under 1 ...	...	3	12	1	3	3	3	1	7
1-4 ...	...	3	1	2	5	3	5	3	1
5-9 ...	...	1	1	1	1	1	1	1	1
10-14 ...	...	1	1	1	2	1	1	1	1
15-24 ...	...	1	1	1	4	3	2	1	1
25-34 ...	...	4	2	1	1	1	2	3	2
35-44 ...	...	2	3	1	2	3	3	5	1
45-54 ...	...	4	2	6	5	4	3	2	2
55-64 ...	...	4	7	3	8	6	7	7	3
65-74 ...	...	7	9	10	7	9	3	2	10
75-84 ...	...	12	11	5	4	9	6	6	11
85 and over ...	...	2	1	3	1	4	3	3	1
Not stated ...	...	...	...	...	...	...	...	...	...
	All Ages ...	43	50	32	43	46	36	35	40

\* See note (†), Table III.

*Abstract of Meteorological Observations.*

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS**  
Made at Eleven of the Principal Towns during the Month of MAY 1936.

OBSERVERS.	AIR PRESSURE* AT MEAN SEA LEVEL,†	AIR TEMPERATURE.				HYGROMETER.*			RAIN, AND OTHER FORMS OF PRECIPITATION.			BRIGHT SUNSHINE.									
		Mean of		Absolute Maximum and Minimum.		Mean of			Number of Days.			Hours per Day.									
		Maximum.	Minimum.	Day of Month.	Humidity.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Total Fall.	Daily Mean.	Difference from Average.	Per Cent. of Possible.									
		Day of Month.	Mean of	Absolute Maximum and Minimum.	Humidity.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Number of Days.	Hours per Day.	Per Cent. of Possible.										
Glasgow,‡	feet 1018.3	inches 30.100	* F. 58.8	* F. 51.8	* F. 67	10, 19, 26	1st	51.5	9.7	9	1.51	-1.08	4.70	-0.19	29						
Professor J. R. CURRIE, M.D., The University.	85																				
EDINBURGH,	1019.2	30.098	56.2	43.4	49.8	+1.1	67	16.6	37	1.4	48.5	2.8	0.83	-1.23	5.77	+0.48	36				
Professor R. A. SAMSON, F.R.S., Royal Observatory.	441																				
DUNDEE,	1019.9	30.118	57.2	43.2	50.2	+1.1	66	19.6	35	2nd	52.0	4.4	9.3	70	12	1.31	-0.78	5.64	+0.34	35	
COLLEGE GARDENS,	147																				
ABERDEEN,	79	1019.9	30.118	52.4	43.1	47.7	-0.3	60	10th	37	31st	48.5	2.8	9.2	80	12	1.18	-1.15	6.47	+0.87	39
The Meteorological Office.																					
PAISLEY,	106	1019.0	30.092	60.7	44.6	52.7	+1.3	71	19th	36	1st	51.4	3.7	9.4	74	10	1.88	-0.61	5.07	-0.10	31
JOHN WOODBROW, The Coats Observatory.																					
GREENOCK,	199	1019.8	30.117	59.2	44.8	52.0	+1.9	69	11, 26, 38	38	31st	50.2	3.4	9.3	76	12	2.73	-0.72	5.65	..	35
J. M. MACALISTER, M.Inst. C.E., Greenock Waterworks.																					
KIRKCALDY,	63	..	56.7	43.6	50.1	+0.1	64	2, 13	35	28th	50.7	3.4	9.7	77	10	1.02	..	..	..	..	
The Town Council.																					
KILMARNOCK,	132	..	61.2	42.8	52.0	+0.9	72	10th	31	1, 21	52.4	4.2	9.5	71	12	1.76	-0.56	6.23	+0.50	39	
W. DENBAR, C.E.																					
AYR,	43	..	59.2	42.1	50.7	..	67	9th	30	1st	49.7	1.3	11.1	91	11	2.26	..	6.26	..	39	
The Medical Officer of Health.																					
DUNFERMLINE,	237	..	57.5	42.0	49.7	..	65	11, 19	36	28, 31	50.8	3.5	9.6	75	8	0.86	..	5.51	..	34	
The Carnegie Dunfermline Trust.																					
PERTH,	76	1020.5	30.128	61.0	42.5	51.7	+1.5	71	18th	34	17th	50.7	2.0	10.9	86	6	0.36	-1.86	5.55	+0.04	34
J. RITCHIE, The Museum.																					
Means	146	1019.6	30.110	58.2	43.4	50.8	+1.0	..	..	..	..	50.6	3.2	9.7	78	11	1.43	-1.00	5.68	+0.28	35

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\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h.; Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenwich, 4° 46'; Perth, 56° 24'; Mean, 56° 14' West Longitude.—Glasgow, 55° 52'; Edinburgh, 56° 28'; Aberdeen, 57° 9'; Paisley, 56° 51'; Greenwich, 56° 36'; Perth, 56° 24'; Mean, 56° 14'.

† As from Jan. 1933 barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29.531 mercury inches) and inches.

‡ Sunshine data refer to Abbotinch.

at 9h. and 18h.

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MONTHLY RETURN

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OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

JUNE 1936.

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### REPORT

During the month of June 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,133 living children, of whom 2,070 were males and 2,063 were females. Compared with the number in the previous month, births of male children are 122 fewer, of female children 38 more, and of children of both sexes 84 fewer. The monthly birth-rate in these towns taken collectively was 19·8 per thousand. This rate is 0·2 more than that for the previous month, but is 0·3 below the average.

In the individual towns the monthly birth-rate ranged from 25·1 in Kilmarnock, 24·1 in Hamilton, and 23·3 in Motherwell and Wishaw, to 13·9 in Kirkcaldy, 15·1 in Falkirk, and 15·8 in Dunfermline. In Coatbridge the rate was 22·8, in Ayr 21·5, in Glasgow 21·2, in Dundee 19·5, in Greenock 19·5, in Perth 19·5, in Clydebank 19·1, in Paisley 18·9, in Edinburgh 17·4, and in Aberdeen 17·2.

Of the 4,133 living children whose births were registered during the month, 3,857 or 93·3 per cent. were legitimate, while 276 or 6·7 per cent. were illegitimate. The legitimate children numbered 98 fewer than in the previous month, but the illegitimate children 14 more. The illegitimate rate for the month is 0·5 above that for the previous month. In the individual towns it ranged from 11·8 in Kirkcaldy, 8·5 in Falkirk, and 8·0 in Edinburgh, to 3·6 in Paisley, 4·9 in Dundee, 4·9 in Coatbridge, and 5·3 in Clydebank. In Glasgow the rate was 6·4.

Marriages registered during the month numbered 2,769 and are 2,104 more than in the previous month. The marriage-rate, 13·3 per thousand, is 10·2 above that for the previous month and 2·2 above the average. In the individual towns it ranged from 16·7 in Falkirk, 15·2 in Hamilton, and 14·7 in Edinburgh, to 7·0 in Coatbridge, 9·8 in Kilmarnock, 10·1 in Dundee, and 10·1 in Kirkcaldy. In Glasgow the rate was 13·8.

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

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#### EDINBURGH

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Deaths registered in these towns during the month numbered 2,940 and are 142 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,679, of whom 1,399 were males and 1,280 were females. The corrected number is 147 fewer than in the previous month, males being 53 fewer and females 94 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 12·8 per thousand, being 0·3 below that for the previous month but 0·8 above the average. In the towns taken individually the death-rate ranged from 15·1 in Dunfermline, 14·2 in Coatbridge, and 14·0 in Hamilton, to 7·5 in Clydebank, 8·7 in Kirkcaldy, and 10·1 in Motherwell and Wishaw. In Paisley the rate was 13·9, in Ayr 13·9, in Dundee 13·5, in Glasgow 13·4, in Perth 13·0, in Greenock 12·6, in Edinburgh 12·5, in Falkirk 12·2, in Aberdeen 11·5, and in Kilmarnock 10·7.

Deaths of children of less than one year old numbered 295, and equalled an infantile mortality rate of 76 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 57 fewer than in the previous month, while the rate is 12 less than in that month, but 4 above the average. In the individual towns this rate ranged from 141 in Hamilton, 130 in Ayr, and 121 in Motherwell and Wishaw, to 19 in Kirkcaldy, 41 in Clydebank, and 42 in Perth. In Coatbridge it was 106, in Kilmarnock 99, in Paisley 90, in Glasgow 87, in Falkirk 78, in Greenock 67, in Dunfermline 67, in Dundee 60, in Aberdeen 50, and in Edinburgh 46.

Deaths from the principal epidemic diseases numbered 158 and equalled a death-rate of 0·8 per thousand. These deaths are 40 fewer than in the previous month, and the rate is 0·1 less. They include 1 from typhoid fever, 90 from measles, 8 from scarlet fever, 16 from whooping-cough, 7 from diphtheria, 14 from influenza, 7 from cerebro-spinal fever, and 15 from other epidemic diseases, 7 of which were ascribed to erysipelas, 5 to lethargic encephalitis, and 3 to dysentery. Compared with the number in the previous month deaths from typhoid fever are 4 fewer, from measles 41 fewer, from scarlet fever 6 more, from whooping-cough 2 more, from diphtheria 3 fewer, from influenza 4 more, from cerebro-spinal fever 1 fewer, and from other epidemic diseases 3 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 280, and equalled a death-rate of 1·3 per thousand. Compared with the number in the previous month these deaths are 110 fewer, while the rate is 0·5 less, and is 0·1 below the average.

Deaths from all forms of tuberculosis numbered 208, of which 155 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 11 more, and those from respiratory tuberculosis 12 more. Compared with the average the former are 12 more, and the latter 11 more.

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## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JUNE 1936.

Mean barometric pressure, 29·990 ins.; lower than the average\* by 0·008 in.

Mean temperature, 56°·5 F.; greater by 1°·6 F.

Mean daily range of temperature, 16°·4 F.; greater by 1°·1 F.

Mean daily sunshine, 6·75 hours; greater by 0·59 hour.

Rain, depth in inches, 1·51; less by 0·72 in.

Wind, direction of: a three days' excess of N.E. or E. winds.

A secondary depression which developed over the Hebrides on the 1st moved south to the Bristol Channel and then very slowly east. Cool and unsettled weather

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

prevailed with thunderstorms, sometimes accompanied with hail, in the south and east of Scotland. From the 4th to the 16th pressure was relatively high to the south-west of the British Isles and depressions moved east from Iceland to Scandinavia. Weather was generally unsettled with bright periods but considerable falls of rain were recorded locally. A gale was reported on the north-west coasts on the 14th. In the succeeding days temperatures rose considerably, maxima exceeding 80 degrees being recorded at many Scottish stations on the 21st and 22nd. Thunderstorms were reported on each day from the 18th to 22nd, but were less severe in Scotland than in England. During this period abundant sunshine was enjoyed. Shallow disturbances crossed the country from the 24th to 26th. Cooler conditions were experienced but temperatures continued above the average generally. There were long sunny periods on the 27th and 28th, but considerable rain and local thunderstorms occurred in the closing days of the month.

In spite of a cool week at the beginning of June, the mean temperature of the month was considerably above normal in most districts, the excess being most marked in the west. Some unusually high temperatures were recorded in a warm spell at the end of the third week. The highest values, all on the 21st, were 87° F. at Forres, 86° F. at Achnashellach and 85° F. at Ayr, Prestwick, Auchincruive, Colmonell and Nairn; 85° F. was also reached at Nairn on the 22nd. The lowest temperatures occurred almost everywhere in the first five days of the month. Some remarkable minima were reported on the 5th, when Dalwhinnie recorded 25° F., this being the lowest temperature in any June for at least 80 years. On the same day Braemar and Balmoral had 26° F. and West Linton 27° F. Ground frosts occurred in one place or another on 12 nights and were fairly widespread in the opening days of the month. The lowest values reported were 16° F. at Dalwhinnie on the 5th and 20° F. at Auchincruive on the 4th.

The duration of sunshine was in excess of the average except in south-western counties, where the deficiency varied from less than 10 hours at Stirling, Renfrew and Kilmarnock to as much as 47 hours at Ruthwell. Some noteworthy totals were reported from stations in the east and extreme north. Craibstone had 284 hours; Aberdeen's 274 hours was the highest total ever recorded at that station. Other large amounts were 272 hours at Montrose and 268 hours at Arbroath. Deerness, with 262 hours, enjoyed the sunniest month in the Orkneys since observations commenced in 1880. Record amounts were also reported from the Shetlands.

Rainfall was generally deficient, but there were small areas with falls exceeding the average in the extreme south and in Islay and around Lochgilphead. The total failed to reach half the average fall at Arbroath, Aberdeen, and over a large area in the Western Highlands. The wettest days were the 22nd and 29th, when more than an inch of rain fell in thunderstorms over the southern counties. The heaviest falls on the 22nd were 2·10 inches at Castle Kennedy and 1·99 inches at Chipper-kyle; at the latter place over 1·25 inch fell in less than an hour. On the 29th the heaviest fall was 2·02 inches at Auchincruive.

Snow was reported on the hills from Achnashellach and Arrochar on the 1st and a snowstorm occurred at Ullapool on the 2nd.

Hail fell at many places on the 1st and sparsely on the 2nd, 13th and 22nd.

Fog was reported from widely scattered places on 9 days during the month.

Gales were experienced at Thornhill on the 4th and at Stornoway on the 14th.

Thunder occurred on 13 days, most of the reports being from 20th to 22nd and from 28th to 30th.

No reports of aurora were received.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 48.

*Abstract.*

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JUNE 1936.

TOWNS.	POPULATION.		BIRTHS.				MARRIAGES.	DEATHS.				Corrected for Transfers (Both Sexes.)		
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.		Females.	Legiti- mate, Illegiti- mate.		Both Sexes.	Males.	Females.	Out.			
			Males.	Females.	Both Sexes.	Males.								
GLASGOW, .	1,088,524	1,124,300	1956	1000	956	1830	126	1276	1345	729	616	157	51	1239
EDINBURGH, .	439,010	464,600	661	320	341	608	53	561	546	274	272	92	23	477
DUNDEE, .	175,681	178,700	285	138	147	271	14	148	211	96	115	17	4	198
ABERDEEN, .	169,808	176,400	248	116	132	229	19	208	208	108	102	61	19	166
PAISLEY, .	86,445	89,700	139	63	76	134	5	84	107	53	54	12	7	102
GREENOCK, .	78,949	80,200	128	60	68	119	9	71	84	50	34	6	5	88
MOTHERWELL AND WISHAW, .	64,710	66,400	127	66	61	117	10	66	44	21	23	0	11	55
CLYDEBANK, .	46,952	48,500	76	32	44	72	4	43	18	9	9	1	13	30
KIRKCALDY, .	43,874	44,700	51	25	26	45	6	37	32	18	14	6	6	32
COATBRIDGE, .	43,056	43,800	82	40	42	78	4	25	48	23	25	2	5	51
KILMARNOCK, .	38,681	39,900	82	50	32	77	5	32	36	21	15	8	7	35
HAMILTON, .	37,990	38,400	76	38	38	70	6	48	37	27	10	2	9	44
AYR, .	38,905	40,300	71	35	36	67	4	42	65	36	29	19	0	46
FALKIRK, .	36,566	38,000	47	29	18	43	4	52	46	28	18	12	4	38
DUNFERMLINE, .	35,058	36,300	47	24	23	44	3	34	59	30	29	18	4	45
PERTH,* .	35,051	35,700	57	34	23	53	4	42	54	28	26	18	2	38
TOTAL (SIXTEEN TOWNS)*	2,459,255	2,546,000	4183	2070	2063	3857	276	2769	2940	1549	1391	481	170	2879

\* Perth Burgh boundaries extended 15th May 1936.

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JUNE 1936.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Transfers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Respira- tory Diseases (not Tuber.).	Number.	* Rate per 1000 Births.
				All	Transf.								
GLASGOW, .	21.2	6.4	13.8	14.6	13.4	1.0	1.2	0.8	1.6	1.6	158	87	
EDINBURGH, .	17.4	8.0	14.7	14.3	12.5	0.3	1.0	0.8	1.1	1.1	28	46	
DUNDEE, .	19.5	4.9	10.1	14.4	13.5	0.9	0.7	0.4	1.4	1.4	16	60	
ABERDEEN, .	17.2	7.7	14.4	14.4	11.5	0.3	0.4	0.4	1.1	1.1	13	50	
PAISLEY, .	18.9	3.6	11.4	14.6	13.9	1.1	1.1	0.8	1.0	1.0	12	90	
GREENOCK, .	19.5	7.0	10.8	12.8	12.6	0.5	1.5	1.4	1.5	1.5	9	67	
MOTHERWELL AND WISHAW, .	23.3	7.9	12.1	8.1	10.1	0.4	0.4	0.4	0.4	1.3	18	121	
CLYDEBANK, .	19.1	5.3	10.8	4.5	7.5	0.3	1.5	1.0	0.8	0.8	3	41	
KIRKCALDY, .	18.0	11.8	10.1	8.7	8.7	0.3	0.0	0.0	0.5	0.5	1	19	
COATBRIDGE, .	22.8	4.9	7.0	13.4	14.2	1.9	1.4	0.8	0.3	0.3	9	106	
KILMARNOCK, .	25.1	6.1	9.8	11.0	10.7	0.0	0.0	0.0	1.5	1.5	7	99	
HAMILTON, .	24.1	7.9	15.2	11.8	14.0	1.6	0.6	0.6	0.6	2.2	10	141	
AYR, .	21.5	5.6	12.7	19.7	13.9	0.6	0.6	0.6	0.6	0.3	7	130	
FALKIRK, .	15.1	8.5	16.7	14.8	12.2	0.3	1.6	1.6	1.3	1.3	4	78	
DUNFERMLINE, .	15.8	6.4	11.4	19.8	15.1	0.7	1.7	1.0	1.3	1.3	3	67	
PERTH, .	19.5	7.0	14.8	18.4	13.0	0.3	1.0	0.3	0.7	0.7	2	42	
TOTAL (SIXTEEN TOWNS)	19.8	6.7	13.3	14.1	12.8	0.8	1.0	0.7	1.3	295	76		

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JUNE 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate, (2)	Illegitimate Birth- rate per 100 Births, (3)	Marriage-Rate, (4)	Death-Rate, (5)	DEATHS FROM										Infantile Mortality Rate. (14)	Mean Temperature. (15)			
					*Typhoid Fever. (6)	Measles. (7)	Scarlet Fever. (8)	Whooping- Cough. (9)	Diphtheria. (10)	Influenza. (11)	Cerebro- spinal Fever. (12)	Other Epidemic Diseases. (13)							
JUNE 1936..	19.8	6.7	13.3	12.8	1	90	8	16	7	14	7	15	76	56°.5					
JUNE 1935..	18.8	6.0	11.2	11.3	2	3	4	23	15	11	7	13	69	55°.5					
JUNE 1934..	19.4	6.6	11.4	12.3	4	105	12	30	22	7	8	12	74	56°.6					
JUNE 1933..	19.8	6.4	10.5	11.7	4	0	7	47	11	14	7	15	72	58°.8					
JUNE 1932..	20.8	6.3	10.7	12.3	1	31	7	22	10	19	9	12	74	55°.7					
JUNE 1931..	21.7	5.9	11.6	12.2	0	30	7	39	13	10	14	16	73	53°.4					
JUNE 1930..	20.7	6.7	11.2	12.2	0	50	4	41	18	17	8	13	69	57°.1					
JUNE 1929..	20.3	7.9	10.2	11.6	2	2	3	36	15	8	16	11	67	54°.4					
JUNE 1928..	22.1	6.9	10.3	12.9	0	85	5	55	14	16	10	15	84	51°.8					
JUNE 1927..	21.5	6.1	10.9	12.4	2	32	7	54	14	30	8	13	71	51°.6					
JUNE 1926..	23.1	6.2	9.8	11.8	1	29	16	25	17	17	6	10	70	55°.3					

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
					-1	1	5	10	15	25	35	45	55	65	75	85 & over
1	Typhoid Fever (including Paratyphoid)	1	—	1	—	—	—	—	—	—	—	—	—	—	1	—
4	Measles	90	44	46	54	1	—	—	—	—	—	—	—	—	—	—
5	Scarlet Fever	8	5	3	6	2	—	—	—	—	—	—	—	—	—	—
6	Whooping-cough	16	6	10	9	6	1	—	—	—	—	—	—	—	—	—
7	Diphtheria	7	2	5	1	4	1	1	—	—	—	—	—	—	—	—
8	Influenza	14	9	5	1	—	—	—	4	1	3	2	3	—	—	—
14 (1)	Cerebro-spinal Fever	7	4	3	4	—	—	1	1	—	—	—	—	—	—	—
14 (2)	Other Epidemic Diseases (2, 3, 9)*	15	8	7	5	1	—	—	1	1	1	1	2	2	1	—
10	Tuberculosis of Respiratory System	155	87	68	—	2	1	3	37	38	26	20	20	7	1	—
11	Other Tuberculous Diseases	53	31	22	4	13	9	3	11	4	2	4	1	2	—	—
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	18	10	8	—	—	—	3	2	—	6	3	1	2	1	—
15	Cancer, Malignant Disease	357	155	202	—	1	—	1	2	7	16	47	101	104	71	7
18	Diabetes Mellitus	30	10	20	—	1	—	—	—	—	1	4	7	14	3	—
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	62	24	38	2	1	1	1	5	3	9	9	14	12	4	1
22	Cerebral Haemorrhage, &c.	258	123	135	1	—	—	1	1	1	1	10	13	57	97	63
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	83	49	34	9	4	1	1	7	7	10	13	17	9	5	—
24	Heart Disease	524	258	266	—	1	2	3	12	15	12	42	97	183	130	27
25	Other Circulatory Diseases	46	30	16	—	—	—	—	—	—	3	6	17	10	9	—
26	Bronchitis	83	48	35	7	1	—	—	2	2	2	7	14	19	25	4
27	Pneumonia (all forms)	168	103	65	28	31	1	1	6	10	16	22	17	22	12	2
28	Other Respiratory Diseases	29	20	9	—	3	—	—	3	4	1	5	5	7	1	—
32 (1)	Gastric and Duodenal Ulcer	22	20	2	—	—	—	—	1	1	1	6	7	6	—	—
29	Diarrhoea, &c. (all ages)	64	32	32	43	6	1	—	2	2	2	1	2	1	2	1
30	Appendicitis	19	14	5	1	3	4	—	2	1	3	3	3	2	—	—
31 (1)	Cirrhosis of Liver	10	6	4	—	—	—	—	1	—	—	4	4	4	4	—
31 (2)	Other Diseases of Liver, &c.	11	8	8	—	—	—	—	—	—	—	1	4	4	4	1
32 (2)	Other Digestive Diseases	34	14	20	2	3	—	—	1	2	1	6	8	6	4	1
33	Acute and Chronic Nephritis	53	29	24	1	—	—	1	2	1	4	10	14	11	9	—
34	Other Dis. of Genito-Urinary System	43	25	18	—	1	—	—	2	2	3	4	9	13	9	2
35	Puerperal Sepsis	8	—	8	—	—	—	—	2	4	2	—	—	—	—	—
36	Other Puerperal Causes	11	—	11	—	—	—	—	4	3	4	—	—	—	—	—
37	Diseases of Skin and Locomotor System	22	16	6	5	1	1	1	—	—	—	—	—	—	—	—
38	Congen. Debil., Prem. Birth, Malform., &c.	136	83	53	133	—	2	1	—	—	—	—	—	—	—	—
39	Old Age	61	22	39	—	—	—	—	—	—	—	—	—	8	36	17
40	Suicide	24	18	6	—	—	—	—	2	4	4	5	5	3	1	6
42	Other Violence (41)	99	64	35	5	7	3	3	17	8	3	13	10	13	11	6
43	Causes Ill-defined or Unknown	38	27	11	2	—	—	—	—	4	7	15	6	4	—	—
	ALL CAUSES	2679	1399	1280	295	146	33	29	119	125	147	255	446	579	413	92

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—June 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	1	...	...	...	...	...	...
4	Measles	90	63	4	7	...	6	...	...	...
5	Scarlet Fever	8	5	...	1	...	...	...	...	1
6	Whooping-cough	16	9	...	...	2	1	...	2	...
7	Diphtheria	7	4	...	...	...	...	...	...	...
8	Influenza	14	5	2	1	...	...	2	...	...
14 (1)	Cerebro-spinal Fever	7	5	2	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	15	5	3	4	2	...	1	...	...
10	Tuberculosis of Respiratory System	155	76	30	6	6	6	9	2	4
11	Other Tuberculous Diseases	53	31	7	4	...	2	1	...	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	18	6	3	2	3	...	2	...	...
15	Cancer, Malignant Disease	357	148	74	30	24	19	6	4	3
18	Diabetes Mellitus	30	16	3	1	4	1	...	1	1
20	Oth. Gen. Dis., Chren. Poison. (16, 17, 19)	62	34	12	5	6	2	...	...	...
22	Cerebral Haemorrhage, &c.	258	100	45	28	20	9	13	7	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	83	41	17	4	1	4	3	1	...
24	Heart Disease	524	226	108	43	39	15	13	12	4
25	Other Circulatory Diseases	46	18	11	1	3	2	3	3	2
26	Bronchitis	83	46	12	3	5	3	3	2	1
27	Pneumonia (all forms)	168	91	26	13	8	4	7	3	...
28	Other Respiratory Diseases	29	13	5	4	3	...	...	2	...
32 (1)	Gastric and Duodenal Ulcer	22	8	4	3	1	3	...	...	1
29	Diarrhoea, &c. (all Ages)	64	43	4	3	4	1	4	3	...
30	Appendicitis	19	4	2	4	1	3	...	...	...
31 (1)	Cirrhosis of Liver	10	6	3	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	11	4	4	1	...	...	...	...	...
32 (2)	Other Digestive Diseases	34	14	7	1	3	4	1	...	1
33	Acute and Chronic Nephritis	53	24	13	5	3	2	2	1	...
34	Oth. Diseases of Genito-Urinary System	43	14	11	3	6	1	...	...	...
35	Puerperal Sepsis	8	3	1	1	1	...	1	...	1
36	Other Puerperal Causes	11	5	2	1	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System	22	9	2	...	1	1	1	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	136	61	19	8	5	5	3	5	2
39	Old Age	61	21	14	3	3	3	4	3	...
40	Suicide	24	11	4	3	3	...	1	...	...
42	Other Violence (41)	99	47	20	5	7	3	2	3	1
43	Causes Ill-defined or Unknown	38	23	2	...	2	1	...	3	1
	All Causes	2679	1239	477	198	166	102	83	55	30
	AGE AT DEATH.									
Under 1	...	295	158	28	16	13	12	9	13	3
1-4	...	146	89	16	12	5	6	1	3	2
5-9	...	33	23	2	2	...	...	2	...	...
10-14	...	29	15	3	3	2	...	1	...	...
15-24	...	119	60	16	4	7	6	7	2	4
25-34	...	125	57	14	16	6	8	4	2	4
35-44	...	147	72	27	11	8	4	10	2	2
45-54	...	255	125	46	16	17	8	9	2	1
55-64	...	446	209	90	31	28	16	10	5	7
65-74	...	579	242	120	40	35	22	14	19	3
75-84	...	413	158	90	43	32	15	14	5	4
85 and over	...	92	31	25	4	13	5	2	2	...
Not stated	...	...	...	...	...	...	...	...	...	...
	All Ages	2679	1239	477	198	166	102	83	55	30

\* See note (+), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—June 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.								Perth.
	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.		
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	6	3	1	1	1	1	1
5	Scarlet Fever	...	...	1	1	1	1	1	1
6	Whooping-cough	...	...	1	1	1	1	1	1
7	Diphtheria	...	...	1	1	1	1	1	1
8	Influenza	...	1	1	1	1	1	1	1
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System	...	3	2	2	2	5	3	1
11	Other Tuberculous Diseases	...	2	1	1	1	2	2	2
14 (3)	Oth. Infectious and Parasitic Dis.(12, 13)	...	1	1	1	1	1	1	1
15	Cancer, Malignant Disease	6	8	3	7	6	7	4	8
18	Diabetes Mellitus	...	1	1	1	1	1	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	...	2	...	3	4	7	6
22	Cerebral Haemorrhage, &c.	3	4	3	2	3	4	2	2
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	3	1	1	2	2	3
24	Heart Disease	9	14	5	7	12	4	9	4
25	Other Circulatory Diseases	3	...	...	1	1	1	1	1
26	Bronchitis	...	...	2	1	1	2	3	1
27	Pneumonia (all forms)	1	1	3	6	1	2	1	1
28	Other Respiratory Diseases	1	...	...	...	...	...	...	1
32 (1)	Gastric and Duodenal Ulcer	2	...	...	...	...	...	...	...
29	Diarrhoea, &c. (all Ages)	...	...	...	1	1	1	1	1
30	Appendicitis	...	...	1	2	1	1	1	1
31 (1)	Cirrhosis of Liver	...	...	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	1	...	...	...	1	1	1
32 (2)	Other Digestive Diseases	...	...	...	...	1	1	1	1
33	Acute and Chronic Nephritis	1	1	...	...	1	1	1	1
34	Oth. Diseases of Genito-Urinary System	1	2	1	1	1	1	1	2
35	Puerperal Sepsis	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	...	...	...	...	...	...	...	2
37	Dis. of Skin, and of Locomotor System	1	...	...	1	1	1	1	2
38	Congenital Debility, Premature Birth, Malformations, &c.	...	1	4	6	5	5	3	1
39	Old Age	1	1	2	1	3	...	2	...
40	Suicide	1	...	...	1	1	1	1	1
42	Other Violence (41)	...	...	1	1	3	2	2	2
43	Causes Ill-defined or Unknown	1	...	...	1	4	...	...	...
	All Causes	32	51	35	44	46	38	45	38
	AGE AT DEATH.								
Under 1	...	1	9	7	10	7	4	3	2
1- 4	...	3	2	1	1	...	2	3	1
5- 9	...	...	12	1	1	1	...	...	...
10-14	...	1	...	1	1	1	1	1	1
15-24	...	1	...	2	2	3	2	1	4
25-34	...	6	1	1	1	2	2	2	2
35-44	4	...	1	2	1	1	1	1	1
45-54	4	5	4	4	4	2	2	5	5
55-64	2	1	6	11	6	12	8	11	4
65-74	14	15	6	3	13	10	11	12	12
75-84	6	9	5	7	7	4	8	8	6
85 and over	1	1	1	1	3	1	2	2	...
Not stated	...	...	...	...	...	...	...	...	...
	All Ages	32	51	35	44	46	38	45	38

\* See note (†), Table III.

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS  
Made at Eleven of the Principal Towns during the Month of JUNE 1936.**

*Abstract of Meteorological Observations.*

OBSERVERS.	AIR PRESSURE* AT MEAN SEA LEVEL.†	AIR TEMPERATURE.			HYGROMETER.*			RAIN, AND OTHER FORMS OF PRE- CIPITATION.			BRIGHT SUNSHINE.								
		Mean of Height of Station above Sea-level.	Absolute Maximum and Minimum.		Mean of Humidity.	Mean of Vapour Pressure.		Number of Days.	Hours per Day.		Per Cent. of Possible.								
			Day of Month.	Minimum.		Depression of Wet Bulb.			Daily Mean.	Difference from Average.									
			Maximum.	Day of Month.		Dry Bulb.	Wet Bulb.												
Glasgow, <sup>‡</sup> Professor J. R. CURRIE, M.D., The University.	Mb. 29.933 1015.3	64.5	*F. 57.1	*F. +1.8	21st	*F. 78	*F. 57.8	5th	16	5.06	-0.33	29							
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	Mb. 30.000 1015.9	62.8	48.6	55.7	+1.9	75	24th	40	1st	54.4	3.5	-0.72	7.04	+0.73	40				
DUNDEE, College Gardens.	Mb. 29.996 1015.8	64.2	47.4	55.8	+1.6	74	21, 23	36	3rd	58.6	5.7	11.3	67	10	1.60	-0.20	7.47	+1.01	43
ABERDEEN, The Meteorological Office.	Mb. 29.989 1015.6	60.3	47.5	53.9	+1.0	73	9th	35	5th	55.9	4.3	11.1	73	8	0.84	-0.87	9.12	+3.09	52
PASLEY, John Woodrow, The Coats Observatory.	Mb. 29.980 1015.5	66.6	49.1	57.9	+1.4	80	21st	37	3rd	58.0	2.9	12.5	81	13	1.53	-0.95	5.65	-0.37	33
GREENOCK, J. MACALISTER, M.Inst. G.F., Greenock Waterworks.	Mb. 29.990 1015.6	65.2	50.0	57.6	+2.7	79	19, 21	41	1, 3	57.0	4.7	11.3	71	15	1.73	-1.57	7.32	..	42
KIRKCALDY, J. PACE for The Town Council.	Mb. 29.987 1015.4	64.1	48.1	56.1	+0.8	76	24th	36	5th	56.9	4.3	11.6	73	8	1.08	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	Mb. 29.984 1015.3	67.0	47.6	57.3	+2.1	83	19th	33	5th	58.2	4.3	12.2	74	13	1.80	-0.40	6.14	-0.09	35
AYR, The Medical Officer of Health.	Mb. 29.981 1015.2	64.7	50.3	57.5	..	85	21st	34	5th	54.8	1.7	13.1	80	11	2.30	..	6.19	..	36
DUNFERMLINE, The Carnegie Dunfermline Trust.	Mb. 29.987 1015.1	64.4	47.6	56.0	..	76	21st	34	5th	57.6	4.4	12.1	73	9	1.08	..	6.73	..	39
PERTH, J. RITCHIE, The Museum.	Mb. 29.987 1015.0	68.0	45.6	56.8	+1.3	81	21, 26	31	2, 3, 5	57.0	3.7	12.2	77	9	1.79	-0.18	6.84	+0.02	39
<b>Means</b>	<b>Mb. 29.990 1015.6</b>	<b>64.7</b>	<b>48.3</b>	<b>56.5</b>	<b>+1.6</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>56.7</b>	<b>4.0</b>	<b>11.9</b>	<b>76</b>	<b>11</b>	<b>1.51</b>	<b>-0.72</b>	<b>6.76</b>	<b>+0.59</b>	<b>39</b>

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North Latitude.—Glasgow, 56° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 56'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h.; at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.  
† As from Jan. 1935 barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

# The Royal Sanitary Institute

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## Library. MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

JULY 1936.

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### REPORT

During the month of July 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 4,035 living children, of whom 2,064 were males and 1,971 were females. Compared with the number in the previous month, births of male children are 6 fewer, of female children 92 fewer, and of children of both sexes 98 fewer. The monthly birth-rate in these towns taken collectively was 18·7 per thousand. This rate is 1·1 less than that for the previous month, and is 0·2 below the average.

In the individual towns the monthly birth-rate ranged from 24·6 in Kilmarnock, 22·4 in Coatbridge, 21·8 in Hamilton, and 21·8 in Falkirk, to 13·2 in Perth, 14·9 in Dundee, and 15·4 in Edinburgh. In Motherwell and Wishaw the rate was 21·3, in Greenock 20·9, in Dunfermline 20·8, in Glasgow 20·2, in Ayr 19·3, in Paisley 19·1, in Clydebank 17·5, in Kirkcaldy 17·4, and in Aberdeen 17·0.

Of the 4,035 living children whose births were registered during the month, 3,805 or 94·3 per cent. were legitimate, while 230 or 5·7 per cent. were illegitimate. The legitimate children numbered 52 fewer than in the previous month, and the illegitimate children 46 fewer. The illegitimate rate for the month is 1·0 below that for the previous month. In the individual towns it ranged from 8·7 in Aberdeen, 8·4 in Dundee, and 7·0 in Hamilton, to 1·7 in Motherwell and Wishaw, 2·4 in Kilmarnock, and 2·5 in Perth. In Glasgow the rate was 5·4 and in Edinburgh 6·6.

Marriages registered during the month numbered 3,084 and are 315 more than in the previous month. The marriage-rate, 14·3 per thousand, is 1·0 above that for the previous month and 0·9 above the average. In the individual towns it ranged from 16·4 in Edinburgh, 16·1 in Dundee, and 15·0 in Glasgow, to 6·5 in Falkirk, 7·6 in Ayr, and 7·9 in Greenock.

Deaths registered in these towns during the month numbered 2,605 and are

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

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335 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,404, of whom 1,254 were males and 1,150 were females. The corrected number is 275 fewer than in the previous month, males being 145 fewer and females 130 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 11·1 per thousand, being 1·7 below that for the previous month but 0·2 above the average. In the towns taken individually the death-rate ranged from 12·7 in Coatbridge, 12·4 in Greenock and 12·3 in Hamilton, to 6·6 in Kirkcaldy, 9·1 in Dunfermline and 9·2 in Motherwell and Wishaw. In Glasgow the rate was 11·6, in Edinburgh 11·3, in Dundee 11·3, in Paisley 11·2, in Falkirk 10·9, in Kilmarnock 10·7, in Perth 10·6, in Aberdeen 10·0, in Clydebank 9·7, and in Ayr 9·7.

Deaths of children of less than one year old numbered 282, and equalled an infantile mortality rate of 71 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 13 fewer than in the previous month, while the rate is 5 less than in that month, but 7 above the average. In the individual towns this rate ranged from 126 in Coatbridge, 125 in Perth, and 116 in Paisley, to 18 in Kirkcaldy, 37 in Falkirk, and 40 in Edinburgh. In Hamilton it was 108, in Motherwell and Wishaw 99, in Glasgow 81, in Clydebank 80, in Aberdeen 65, in Kilmarnock 54, in Ayr 54, in Greenock 43, in Dunfermline 43, and in Dundee 41.

Deaths from the principal epidemic diseases numbered 107 and equalled a death-rate of 0·5 per thousand. These deaths are 51 fewer than in the previous month, and the rate is 0·3 less. They include 3 from typhoid fever, 32 from measles, 6 from scarlet fever, 27 from whooping-cough, 10 from diphtheria, 9 from influenza, 5 from cerebro-spinal fever, and 15 from other epidemic diseases, 5 of which were ascribed to erysipelas, 5 to lethargic encephalitis, 4 to dysentery, and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from typhoid fever are 2 more, from measles 58 fewer, from scarlet fever 2 fewer, from whooping-cough 11 more, from diphtheria 3 more, from influenza 5 fewer, from cerebro-spinal fever 2 fewer, and from other epidemic diseases the same.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 226, and equalled a death-rate of 1·0 per thousand. Compared with the number in the previous month these deaths are 54 fewer, while the rate is 0·3 less, and is 0·1 below the average.

Deaths from all forms of tuberculosis numbered 177, of which 123 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 31 fewer, and those from respiratory tuberculosis 32 fewer. Compared with the average the former are 7 fewer, and the latter 8 fewer.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JULY 1936.

Mean barometric pressure, 29·695 ins.; less than the average\* by 0·234 in.

Mean temperature, 58°·7 F.; greater by 0°·8 F.

Mean daily range of temperature, 12°·9 F.; less by 1°·4 F.

Mean daily sunshine, 4·24 hours; less by 0·89 hour.

Rain, depth in inches, 4·83; greater by 2·05 in.

Wind, direction of : a one day's excess of East winds.

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

From the 1st to the 4th a disturbance off north-west Ireland moved south-east and filled up, while another depression advanced eastward on the Atlantic. Unsettled, thundery conditions were general, but sunny periods were enjoyed in eastern coastal districts. A brief interval of more settled and warmer weather on the 5th was followed by a prolonged spell of cyclonic conditions which lasted until the 22nd. During this period rain and thunderstorms were frequent. Temperature generally remained below average. A wedge of high pressure crossing the country on the 22nd brought bright periods to all districts, but a fresh depression moving from north-west Ireland to the Faroes from 23rd to 26th brought a renewal of the unsettled conditions to the north and west. A drier day was experienced on the 27th, but on the 28th a disturbance in the English Channel gave rise to rain and widespread thunderstorms which extended to the southern half of Scotland. Good sunshine figures were general on the 29th, but rain was renewed over the whole of Scotland on the last two days of the month. At Edinburgh the extremes of pressure were 30·17 ins. on 29th and 29·21 ins. on 24th.

The mean temperature of the month was about equal to the normal or slightly in excess of it over the southern half of Scotland. In the north the excess was greater and amounted to more than 2 degrees at Aberdeen and in the Orkneys and Shetlands. The first week of the month produced the warmest days, 70° F. or above being recorded in most districts. The highest values were 76° F. at Forres on the 2nd, 75° F. at Fort Augustus on the 1st and 3rd, at Nairn on the 2nd, at Aberdeen on the 4th and at Stirling on the 9th; 75° F. was also reached at Montrose, Arbroath and Stonehaven on the 31st. The lowest temperatures occurred on the 27th, when Dalwhinnie reported 34° F., Balmoral 35° F., Braemar 36° F. and Kettins 38° F. Ground frosts were reported at widely separated stations on four nights, the lowest values being 29° F. at Balmoral and Dalwhinnie on the 27th.

The low sunshine aggregates were a feature of the month, which was the least sunny July since 1931. The deficiency from the normal amounted to 50 hours at Perth and at Eskdalemuir. At the latter station and at Carlisle no day had so much as 10 hours' sunshine. The largest totals were 172 hours at Dunbar and 163 hours at North Berwick and Stornoway. At the last of these stations this represented an excess of 15 hours over the normal. Baltasound with 159 hours and Nairn with 150 hours exceeded their normals by 29 and 6 hours respectively. It is noteworthy that in all districts except the Orkneys, Shetlands and Outer Isles there was less sunshine in July than in April last.

More remarkable than the deficient sunshine was the excessive rainfall of the month, which amounted to more than double the July average at some places in south-west Scotland. Only at Marchmont and over a small area in Inverness-shire was the total fall below normal. The persistent character of the rainfall may be gauged from the fact that at Aberdeen there were only three rainless days. Several high level stations in Perthshire had more than 10 inches of rain, while at Benmore (Mull) and Forrest Lodge (Kirkcudbright) the totals were 11·60 and 12·11 inches respectively. In Morayshire the fall exceeded the total rainfall of the four preceding months. Daily falls exceeding an inch occurred in all districts during the week 17th to 24th. The greatest falls were 3·44 inches at Forrest Lodge on the 17th and 2·42 inches at Benmore on the 23rd. Heavy rain on three successive days, 23rd to 25th, at Arrochar amounted to 3·89 inches.

Hail fell at a few places on the 1st, 2nd and 28th.

Fog was reported, mainly from the north of Scotland, on 10 days. It was most widespread on the 1st and 2nd.

Gales occurred at many places in the south and west on the 23rd and 24th. Kilmarnock experienced a gale on the 25th and Kettins on the 25th and 30th.

Thunder was reported on 19 days. The most widespread thunderstorms occurred on the 1st, 2nd, 8th-9th, 17th-18th and 28th-29th.

No reports of aurora were received.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 56.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JULY 1936.

TOWNS.	POPULATION.			BIRTHS.						DEATHS.					
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.	Males.			Females.			MARRIAGES.	REGISTERED		TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes)
				Both Sexes.	Males.	Legiti- mate, Illegiti- mate.	Females.	Both Sexes.	Males.		Both Sexes.	Males.	Females.	Out.	In.
GLASGOW,	1,088,524	1,124,300	1928	992	936	1824	104	1424	1192	643	549	144	55	1103	
EDINBURGH,	439,010	464,600	606	319	287	566	40	647	513	248	265	89	19	443	
DUNDEE,	175,681	178,700	225	104	121	206	19	243	175	88	87	14	10	171	
ABERDEEN,	169,803	176,400	254	126	123	232	22	219	184	100	84	51	17	150	
PAISLEY,	86,445	89,700	145	77	68	138	7	105	86	39	47	10	9	85	
GREENOCK,	78,949	80,200	142	87	55	135	7	54	80	44	36	4	8	84	
MOTHERWELL AND WISHAW,	64,710	66,400	120	60	60	118	2	59	39	27	12	1	14	52	
CLYDEBANK,	46,952	48,500	72	41	31	67	5	42	20	11	9	0	20	40	
KIRKCALDY,	43,874	44,700	66	31	35	63	3	36	28	13	15	3	0	25	
COATBRIDGE,	43,056	43,800	83	41	42	70	4	42	35	17	18	0	12	47	
KILMARNOCK,	38,681	39,900	83	41	42	81	2	38	45	26	19	14	5	36	
HAMILTON,	37,990	38,490	71	31	40	66	5	42	29	14	15	8	14	40	
AYR,	38,905	40,800	66	28	28	62	4	26	44	24	20	17	6	33	
FALKIRK,	36,566	38,000	70	38	32	68	2	21	48	23	25	15	2	35	
DUNFERMLINE,	35,058	36,300	64	32	32	61	3	44	43	27	16	21	6	28	
PERTH,	35,051	36,700	40	16	24	39	1	42	44	27	17	12	0	32	
TOTAL (SIXTEEN TOWNS)	2,459,255	2,546,000	4035	2064	1971	3305	230	3084	2605	1871	1234	398	197	2404	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JULY 1936.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM								DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.				Regis- tered.	Corr. for Trans- fers.	Princi- pal Epidemic Diseases.	All Tubercu- losis.	Tuber- culosis of Respiratory System.	All Respira- tory Diseases (not Tuber- c.)	Number.	* Rate per 1000 Births.
				All Causes.	Principal Epidemic Diseases.	All Tubercu- losis.	Tuber- culosis of Respiratory System.								
GLASGOW,	20·2	5·4	15·0	12·5	11·6	0·5	1·0	0·7		0·4	0·9	153	81		
EDINBURGH,	15·4	6·6	16·4	13·0	11·3	0·4	0·6	0·4		0·5	1·3	25	40		
DUNDEE,	14·9	8·4	16·1	11·6	11·3	0·3	0·6	0·4		0·5	1·7	11	41		
ABERDEEN,	17·0	3·7	14·7	12·3	10·0	0·3	0·3	0·1		0·7	1·7	17	65		
PAISLEY,	19·1	4·8	18·8	11·3	11·2	1·7	0·3	0·3		0·3	1·1	16	116		
GREENOCK,	20·9	4·9	7·9	11·8	12·4	0·6	1·2	0·6		0·6	1·0	6	43		
MOTHERWELL AND WISHAW,	21·3	1·7	10·5	6·9	9·2	0·7	0·4	0·0		0·7	1·2	11	99		
CLYDEBANK,	17·5	6·9	10·2	4·9	9·7	0·0	1·5	1·5		1·5	1·5	6	80		
KIRKCALDY,	17·4	4·5	9·5	7·4	6·6	0·3	0·5	0·5		0·3	0·3	1	18		
COATBRIDGE,	22·4	4·8	11·3	9·4	12·7	1·6	1·3	0·8		0·5	0·5	11	126		
KILMARNOCK,	24·6	2·4	11·2	13·3	10·7	0·3	0·6	0·6		0·6	1·2	4	54		
HAMILTON,	21·8	7·0	12·9	8·9	12·3	0·3	0·3	0·0		0·0	1·2	8	108		
AYR,	19·3	6·1	7·6	12·9	9·7	0·0	0·6	0·6		0·6	1·2	3	54		
FALKIRK,	21·8	2·9	6·5	14·9	10·9	0·3	0·9	0·9		0·9	0·9	2	37		
DUNFERMLINE,	20·8	4·7	14·3	14·0	9·1	0·0	1·3	1·3		0·3	0·3	2	43		
PERTH,	13·2	2·5	13·9	14·6	10·6	1·0	1·0	0·7		0·3	0·3	6	125		
TOTAL (SIXTEEN TOWNS)	18·7	5·7	14·3	12·1	11·1	0·5	0·8	0·6		1·0	1·0	282	71		

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &amp;c. FOR JULY 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate. (2)	Illegitimate Birth- rate per 100 Births. (3)	Marriage-Rate. (4)	Death-Rate. (5)	DEATHS FROM										Infantile Mortality Rate. (14)	Mean Temperature. (15)
					*Typhoid Fever. (6)	Measles. (7)	Scarlet Fever. (8)	Whooping- Cough. (9)	Diphtheria. (10)	Influenza. (11)	Cerebro- spinal Fever. (12)	Other Epidemic Diseases. (13)				
JULY 1936, .	18·7	5·7	14·3	11·1	3	32	6	27	10	9	5	15	71	58°·7		
JULY 1935, .	19·2	5·8	15·4	11·0	0	2	4	15	5	6	4	8	64	59° 6		
JULY 1934, .	18·7	6·5	14·4	11·3	2	52	3	31	22	8	9	8	65	62° 1		
JULY 1933, .	18·1	6·0	13·6	10·8	1	1	13	19	13	7	11	12	61	62°·2		
JULY 1932, .	18·3	6·5	11·4	10·6	1	9	8	15	8	5	10	7	63	58°·8		
JULY 1931, .	20·3	6·1	12·3	10·9	0	34	3	34	14	6	17	14	69	58°·0		
JULY 1930, .	19·9	6·6	12·3	11·5	0	25	5	30	14	11	12	15	55	58°·3		
JULY 1929, .	20·7	6·4	14·0	11·7	0	8	3	32	15	3	18	18	68	58°·3		
JULY 1928, .	20·7	6·8	13·1	11·4	1	15	4	48	16	8	7	13	71	57°·3		
JULY 1927, .	20·1	6·3	11·9	11·5	0	46	5	44	15	15	7	12	71	59°·4		
JULY 1926, .	22·2	6·4	11·6	11·2	1	14	15	26	10	15	5	16	65	60°·4		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1936.

Internal Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1	5	10	15	25	35	45	55	65	75	85 & over	
1	Typhoid Fever (including Paratyphoid)	3	1	2	—	—	—	2	1	—	—	—	—	—	—	—	
4	Measles	—	—	—	—	32	19	13	12	20	—	—	—	—	—	—	
5	Scarlet Fever	—	—	—	—	6	4	—	2	3	—	1	—	—	—	—	
6	Whooping-cough	—	—	—	—	27	8	19	12	13	2	—	—	—	—	—	
7	Diphtheria	—	—	—	—	10	4	6	—	6	3	—	—	1	—	—	
8	Influenza	—	—	—	—	9	7	2	1	—	—	—	3	3	1	1	
14 (1)	Cerebro-spinal Fever	—	—	—	—	5	3	2	3	1	—	—	1	—	—	—	
14 (2)	Other Epidemic Diseases (2, 3, 9)*	—	—	—	15	7	8	12	1	1	1	1	2	2	5	1	
10	Tuberculosis of Respiratory System	123	72	51	—	—	3	2	2	32	27	21	18	14	4	—	
11	Other Tuberculous Diseases	—	—	—	54	32	22	7	9	6	4	13	8	4	2	1	
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	14	10	4	2	1	1	—	—	—	—	3	2	4	1	—	
15	Cancer, Malignant Disease	—	—	—	301	134	167	1	1	1	3	5	20	42	79	93	51
18	Diabetes Mellitus	—	—	—	38	18	25	—	—	1	1	2	2	4	10	13	5
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	52	29	23	3	3	3	3	2	6	2	7	9	10	5	—	
22	Cerebral Haemorrhage, &c.	—	—	—	210	97	113	—	—	1	1	4	14	48	78	56	8
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	65	40	25	17	5	—	—	3	1	3	9	6	7	12	2	
24	Heart Disease	—	—	—	458	231	227	—	—	1	10	3	18	43	90	147	118
25	Other Circulatory Diseases	—	—	—	53	33	20	1	1	—	—	1	7	15	23	28	
26	Bronchitis	—	—	—	70	37	33	5	—	—	2	1	4	2	7	23	
27	Pneumonia (all forms)	—	—	—	133	87	46	19	23	3	—	6	15	9	13	7	
28	Other Respiratory Diseases	—	—	—	23	15	8	3	—	2	—	1	1	3	4	4	
32 (1)	Gastric and Duodenal Ulcer	—	—	—	26	22	4	—	—	—	—	1	4	4	5	3	
29	Diarrhoea, &c. (all ages)	—	—	—	71	40	31	50	3	—	2	1	2	2	5	3	
30	Appendicitis	—	—	—	16	8	8	—	2	2	—	2	1	1	3	2	
31 (1)	Cirrhosis of Liver	—	—	—	4	1	3	—	—	—	—	1	2	—	1	—	
31 (2)	Other Diseases of Liver, &c.	—	—	—	13	3	10	—	—	—	—	4	2	6	1	—	
32 (2)	Other Digestive Diseases	—	—	—	37	22	15	7	1	1	—	2	1	7	8	3	
33	Acute and Chronic Nephritis	—	—	—	69	29	40	—	—	—	3	4	11	8	10	23	
34	Other Dis. of Genito-Urinary System	—	—	—	52	36	16	1	—	1	1	4	2	5	8	12	
35	Puerperal Sepsis	—	—	—	9	—	9	—	—	—	4	4	1	—	—	—	
36	Other Puerperal Causes	—	—	—	18	—	18	—	—	—	3	9	6	—	—	—	
37	Diseases of Skin and Locomotor System	—	—	—	26	15	11	6	1	2	2	2	2	1	1	2	
38	Congen. Debil., Prem. Birth, Malform., &c.	129	78	51	127	—	—	—	—	—	—	—	—	—	5	2	
39	Old Age	—	—	—	72	23	49	—	—	—	—	—	—	—	9	42	
40	Suicide	—	—	—	21	12	9	—	—	—	1	1	5	3	5	6	
42	Other Violence (41)	—	—	—	97	60	37	3	11	4	10	13	7	10	7	9	
43	Causes Ill-defined or Unknown	—	—	—	43	22	21	1	—	—	1	—	4	11	18	7	
	ALL CAUSES	—	—	—	2404	1254	1150	282	106	44	26	107	116	149	216	359	
															529	386	
																84	

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—July 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	3	3	..	..	..	..	..	..	..
4	Measles ...	32	17	3	1	1	3	1	1	1
5	Scarlet Fever ...	6	2	1	..	..	..	..	..	..
6	Whooping-cough ...	27	12	3	..	..	3	7	..	..
7	Diphtheria ...	10	5	..	1	1	..	..	..	..
8	Influenza ...	9	2	3	..	..	..	2	..	..
14 (1)	Cerebro-spinal Fever ...	5	2	..	1	..	..	..	1	..
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	15	6	6	1	..	1	1	..	..
10	Tuberculosis of Respiratory System ...	123	68	17	6	2	2	4	..	6
11	Other Tuberculous Diseases ...	54	30	8	3	3	..	4	2	..
14 (3)	Oth. Infectious and Parasitic Dis.(12, 13) ...	14	8	4	..	1	..	..	..	..
15	Cancer, Malignant Disease ...	301	117	78	26	18	9	10	8	..
18	Diabetes Mellitus ...	38	15	7	4	5	..	..	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19) ...	52	21	8	2	5	3	3	1	1
22	Cerebral Haemorrhage, &c. ...	210	87	46	16	13	5	7	5	4
23	Oth. Dis. of Nerv. Syst. and Sense Org.(21) ...	65	32	9	2	5	1	1	3	2
24	Heart Disease ...	458	207	89	38	29	14	16	5	13
25	Other Circulatory Diseases ...	53	14	15	2	7	..	1	..	..
26	Bronchitis ...	70	31	14	6	2	2	2	2	3
27	Pneumonia (all forms) ...	133	73	17	10	7	6	4	2	3
28	Other Respiratory Diseases ...	23	10	5	4	2	..	1	..	..
32 (1)	Gastric and Duodenal Ulcer ...	26	14	6	1	1	..	1	..	..
29	Diarrhoea, &c. (all Ages) ...	71	43	5	1	3	4	..	3	4
30	Appendicitis ...	16	10	2	1	1	1	..	1	..
31 (1)	Cirrhosis of Liver ...	4	4	..	..	..	..	..	..	..
31 (2)	Other Diseases of Liver, &c. ...	13	6	3	1	..	3	3	..	..
32 (2)	Other Digestive Diseases ...	37	10	9	1	3	3	1	2	1
33	Acute and Chronic Nephritis ...	69	29	14	7	5	6	6	..	..
34	Oth. Diseases of Genito-Urinary System ...	52	22	11	5	2	..	5	..	1
35	Puerperal Sepsis ...	9	5	1	..	..	2	..	..	..
36	Other Puerperal Causes ...	18	8	3	1	2	..	1	..	..
37	Dis. of Skin, and of Locomotor System ...	26	17	2	3	..	..	1	..	..
38	Congenital Debility, Premature Birth, Malformations, &c. ...	129	69	9	11	7	8	2	4	..
39	Old Age ...	72	28	15	6	4	1	2	3	1
40	Suicide ...	21	5	7	1	4	1	1	..	..
42	Other Violence (41) ...	97	40	22	8	6	3	4	1	..
43	Causes Ill-defined or Unknown ...	43	31	1	1	3	1	..	1	..
	All Causes ...	2404	1103	443	171	150	85	84	52	40
	AGE AT DEATH.									
Under 1	...	282	153	25	11	17	16	6	11	6
1- 4	...	106	57	8	8	9	10	1	1	2
5- 9	...	44	24	6	..	..	3	1	1	1
10-14	...	26	13	3	3	..	..	2	1	2
15-24	...	107	51	18	13	3	4	6	2	1
25-34	...	116	68	17	4	3	4	5	2	1
35-44	...	149	71	28	6	12	3	8	2	3
45-54	...	216	92	48	12	10	4	15	4	3
55-64	...	359	149	77	29	21	12	12	9	7
65-74	...	529	245	99	48	38	17	13	8	7
75-84	...	386	153	85	33	29	11	13	10	8
85 and over	...	84	27	29	4	8	1	2	2	..
Not stated	...	...	...	...	...	...	...	...	...	..
	All Ages ...	2404	1103	443	171	150	85	84	52	40

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—July 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.								Perth.
	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.		
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	1
4	Measles	...	5	1	...	...	...	...	1
5	Scarlet Fever	...	...	...	...	...	...	...	1
6	Whooping-cough	...	...	...	...	...	...	...	1
7	Diphtheria	...	1	...	1	...	1	...	1
8	Influenza...	...	...	1	...	...	1	...	1
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	1
10	Tuberculosis of Respiratory System	2	3	2	...	2	3	4	2
11	Other Tuberculous Diseases	...	2	...	1	...	...	...	1
14 (3)	Oth. Infectious and Parasitic Dis.(12, 13)	...	...	...	1	...	...	...	...
15	Cancer, Malignant Disease	7	3	6	4	3	3	5	4
18	Diabetes Mellitus	...	1	1	...	1	2	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	2	2	...	2	...	...
22	Cerebral Haemorrhage, &c.	3	2	3	2	4	2	1	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	2	1	2	1	1	2	...
24	Heart Disease	...	6	5	8	7	7	4	2
25	Other Circulatory Diseases	...	2	...	2	1	3	2	3
26	Bronchitis	...	1	1	3	1	...	1	...
27	Pneumonia (all forms)	...	...	1	3	2	3	...	1
28	Other Respiratory Diseases	...	...	...	...	1	...	...	...
32 (1)	Gastric and Duodenal Ulcer	...	...	1	...	...	...	...	...
29	Diarrhoea, &c. (all Ages)	...	...	2	1	1	...	1	2
30	Appendicitis	...	...	...	...	...	...	...	...
31 (1)	Cirrhosis of Liver	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	...	...	...	...	1	1
32 (2)	Other Digestive Diseases	...	...	1	...	2	...	1	2
33	Acute and Chronic Nephritis	...	...	...	...	1	...	...	...
34	Oth. Diseases of Genito-Urinary System	...	1	1	1	...	...	2	1
35	Puerperal Sepsis	...	1	...	...	...	...	...	...
36	Other Puerperal Causes	...	...	...	2	...	1	...	...
37	Dis. of Skin, and of Locomotor System	...	1	1	...	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	...	1	4	2	5	2	1	2
39	Old Age	...	3	...	1	3	1	1	3
40	Suicide	...	...	1	...	...	3	...	1
42	Other Violence (41)	...	4	2	...	1	3	2	1
43	Causes Ill-defined or Unknown	...	2	...	3	...	...	...	...
	All Causes	...	25	47	36	40	33	35	28
	AGE AT DEATH.								
	Under 1	...	1	11	4	8	3	2	2
	1- 4	...	...	4	1	1	...	1	3
	5- 9	...	2	1	1	2	...	1	1
	10-14	...	...	4	2	1	1	1	...
	15-24	...	4	4	1	...	...	1	1
	25-34	...	2	2	2	2	2	1	2
	35-44	...	2	2	2	2	2	3	2
	45-54	...	5	4	3	2	2	5	5
	55-64	...	5	5	9	6	5	9	2
	65-74	...	4	8	6	8	11	4	6
	75-84	...	6	5	5	6	6	6	5
	85 and over	...	1	1	1	1	1	2	3
	Not stated	...	...	...	...	...	...	...	...
	All Ages	...	25	47	36	40	33	35	28

\* See note (+), Table III.

## Abstract of Meteorological Observations.

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS**  
 Made at Eleven of the Principal Towns during the Month of JULY 1936.

OBSERVERS,	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA-LEVEL.†	AIR TEMPERATURE.						HYGROMETER.*						RAIN, AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.					
			Mean of			Absolute Maximum and Minimum.			Mean of			Humidity.			Number of Days.			Hours per Day.			Per Cent. of Possible.					
			Maximum (A.)	Minimum (B.)	Difference from Average.	Day of Month.	Maximum.	Minimum.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	F.	°F.	°F.	Total Fall.	Daily Mean.	Difference from Average.	inch.	inch.	inch.	inch.	inch.	inch.			
GLASGOW, Professor J. R. CURRIE, M.D., The University.	85 feet	1005.7 Mb.	64.6 inches	52.8	* F. +0.4	71	1, 7	44	27th	59.6	3.4	14.1	80	24	4.40	+1.31	3.90	-1.36	20							
EDINBURGH, Professor R. A. SAMPSON, R.I.S., Royal Observatory.	441 feet	1005.7 Mb.	64.2	52.4	* F. +1.0	69	2, 7	8	27th	57.3	3.0	12.9	81	16	4.36	+1.53	4.59	-0.74	27							
DUNDEE, College Gardens.	147 feet	1005.1 Mb.	66.5	50.9	* F. +0.7	73	7	6	27th	60.9	4.3	13.8	75	21	4.29	+1.55	4.38	-0.97	26							
ABERDEEN, The Meteorological Office.	79 feet	1005.1 Mb.	63.4	53.3	* F. +2.1	73	4, 5	46	28th	58.7	3.4	13.4	81	23	4.67	+1.86	4.45	-0.44	26							
PAISLEY, John Woodrow, The Coats Observatory.	106 feet	1005.8 Mb.	66.5	52.6	* F. +0.2	73	1, 10	45	27th	59.1	3.3	13.7	80	20	5.78	+2.92	4.42	-0.46	26							
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199 feet	1005.6 Mb.	64.3	52.6	* F. +0.6	70	1, 3	7	27th	58.3	3.0	13.4	82	21	6.66	+2.74	4.73	..	28							
KIRKCALDY, J. P. Page, for The Town Council.	63 feet	..	66.4 Mb.	53.1	* F. +1.1	73	7	6	27th	60.4	4.0	13.5	77	17	3.83	..	..	..	..							
KILMARNOCK, W. DUNBAR, C.E.	132 feet	..	65.3 Mb.	51.8	* F. +0.1	72	1	7	22nd	69.5	3.3	13.7	80	23	6.09	+2.98	4.45	-0.60	26							
AYR, The Medical Officer of Health.	43 feet	..	62.0 Mb.	56.5	* F. ..	67	1, 4	5	45	22nd	57.1	1.7	14.2	89	17	5.65	..	4.49	..	27						
DUNFERMLINE, The Carnegie Dunfermline Trust.	237 feet	..	64.8 Mb.	51.8	* F. ..	71	7	6	27th	59.1	3.7	13.3	78	18	2.99	..	3.72	..	22							
PERTH, J. Ritchie, The Museum.	76 feet	1005.9 Mb.	67.7 inches	51.5	* F. +0.8	74	7, 9	40	27th	58.4	2.9	13.5	83	21	4.39	+1.50	3.90	-1.63	23							
<b>Means</b>	146	1005.6	59.655	65.1	52.2	58.7	+0.8	..	..	..	..	58.9	3.3	13.6	81	20	4.83	+2.03	4.24	-0.89	25					

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 56'; Dundee, 56° 38'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenwich, 55° 56'; Perth, 56° 24'; Mean, 56° 14'.

West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenwich, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.

† As from Jan. 1935 barometer readings have been reduced to standard gravity in latitude 45° and measure is expressed in millions of an millimetres—0.01691

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## MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

AUGUST 1936.

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## REPORT

During the month of August 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,771 living children, of whom 1,921 were males and 1,850 were females. Compared with the number in the previous month, births of male children are 143 fewer, of female children 121 fewer, and of children of both sexes 264 fewer. The monthly birth-rate in these towns taken collectively was 17·5 per thousand. This rate is 1·2 less than that for the previous month, and is 0·5 below the average.

In the individual towns the monthly birth-rate ranged from 25·3 in Coatbridge, 24·6 in Greenock, and 21·2 in Hamilton, to 13·6 in Perth, 14·3 in Dunfermline, and 14·9 in Falkirk. In Paisley it was 18·6, in Glasgow 18·4, in Kilmarnock 16·9, in Dundee and in Aberdeen 16·6, in Ayr 16·1, in Clydebank and in Kirkcaldy 15·8, in Motherwell and Wishaw 15·1, and in Edinburgh 15·0.

Of the 3,771 living children whose births were registered during the month, 3,575 or 94·8 per cent. were legitimate, while 196 or 5·2 per cent. were illegitimate. The legitimate children numbered 230 fewer than in the previous month, and the illegitimate children 34 fewer. The illegitimate rate for the month is 0·5 below that for the previous month. It is the lowest illegitimate percentage recorded in any monthly return during the period (since 1926) in which the births have been shown corrected for transfers. In the individual towns this rate ranged from 10·5 in Kilmarnock and 7·3 in Ayr and in Perth, to 2·3 in Dunfermline, 2·9 in Hamilton, and 3·1 in Clydebank.

Marriages registered during the month numbered 1,899 and are 1,185 fewer than in the previous month. The marriage-rate, 8·8 per thousand, is 5·5 below that for the previous month but 1·2 above the average. In the individual towns it ranged from 12·4 in Dunfermline, 11·3 in Edinburgh, and 11·2 in Aberdeen, to 5·5 in Motherwell and Wishaw, 5·7 in Coatbridge, and 5·9 in Dundee.

Deaths registered in these towns during the month numbered 2,590 and are

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

### EDINBURGH

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15 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,341, of whom 1,215 were males and 1,126 were females. The corrected number is 63 fewer than in the previous month, males being 39 fewer and females 24 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 10·9 per thousand, being 0·2 below that for the previous month but 0·5 above the average. In the towns taken individually the death-rate ranged from 12·3 in Dundee and in Ayr and 11·8 in Paisley, to 7·5 in Falkirk, 8·0 in Clydebank and 9·1 in Greenock. In Motherwell and Wishaw it was 11·6, in Aberdeen 11·3, in Glasgow and in Kilmarnock 11·2, in Perth 10·6, in Edinburgh 10·2, in Kirkcaldy 10·0, in Hamilton and in Dunfermline 9·8, and in Coatbridge 9·7.

Deaths of children of less than one year old numbered 271, and equalled an infantile mortality rate of 68 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 11 fewer than in the previous month, while the rate is 3 less than in that month, but 7 above the average. In the individual towns this rate ranged from 106 in Perth, 94 in Paisley, and 80 in Hamilton, to 14 in Clydebank, 18 in Falkirk, and 21 in Dunfermline. In Glasgow it was 79, in Aberdeen 73, in Coatbridge 67, in Dundee and in Greenock 56, in Motherwell and Wishaw and in Kirkcaldy 55, in Kilmarnock and in Ayr 54, and in Edinburgh 51.

Deaths from the principal epidemic diseases numbered 58 and equalled a death-rate of 0·3 per thousand. These deaths are 49 fewer than in the previous month, and the rate is 0·2 less. They include 1 from typhoid fever, 8 from measles, 5 from scarlet fever, 16 from whooping-cough, 9 from diphtheria, 8 from influenza, 3 from cerebro-spinal fever, and 8 from other epidemic diseases, 5 of which were ascribed to lethargic encephalitis, 2 to erysipelas, and 1 to dysentery. Compared with the number in the previous month deaths from typhoid fever are 2 fewer, from measles 24 fewer, from scarlet fever 1 fewer, from whooping-cough 11 fewer, from diphtheria 1 fewer, from influenza 1 fewer, from cerebro-spinal fever 2 fewer, and from other epidemic diseases 7 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 211, and equalled a death-rate of 1·0 per thousand. Compared with the number in the previous month these deaths are 15 fewer, while the rate is the same, and is also the same as the average.

Deaths from all forms of tuberculosis numbered 161, of which 120 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 16 fewer, and those from respiratory tuberculosis 3 fewer. Compared with the average the former are 2 fewer and the latter 2 fewer.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

AUGUST 1936.

Mean barometric pressure, 30·009 ins.; greater than the average\* by 0·121 in.  
Mean temperature, 59°·6 F.; greater by 2°·5 F.

Mean daily range of temperature, 13°·5 F.; greater by 0°·2 F.

Mean daily sunshine, 5·02 hours; greater by 0·71 hour.

Rain, depth in inches, 2·36; less by 1·45 in.

Wind, direction of: a four days' excess of west winds and two days' excess of south winds.

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

From the 1st to the 4th a depression from the Atlantic passed north of Scotland and gave rise to unsettled conditions with strong west or north-west winds. A ridge of high pressure crossed the country on the 5th and fair weather, apart from local showers, extended over Scotland on the 6th and 7th. Heavy rain fell in Ayrshire on the 8th and in western districts generally on the 11th, but elsewhere fair or fine weather prevailed. During the 12th-14th a shallow depression over Holland and another over Scotland were followed by a ridge of high pressure. A depression extended over Scotland and Northern Ireland on the 15th. Dull rainy conditions were general with widespread thunderstorms. A low pressure system was situated between Iceland and the Færöes from the 17th to the 21st. The weather was dull in the north but good sunshine records were obtained at stations in south and east Scotland.

During the 22nd and 23rd a trough of low pressure crossed the country and high winds or gales were reported in the west. Anticyclonic conditions prevailed during the remainder of the month, and large amounts of bright sunshine with temperatures well above the average were reported generally. At Edinburgh the extremes of pressure were 30.43 ins. on the 26th and 29.33 ins. on the 2nd.

The mean temperature of the month was everywhere above normal, the excess amounting to about three degrees at some stations in the extreme north and along the east coast. The last week of the month produced the warmest weather when maxima of 70° F. or above were recorded in all districts. The highest values reported were 81° F. at Logie Coldstone and 80° F. at Forres and Kelso, all on the 27th. The lowest temperatures occurred on the 7th, but some unusually low values were also recorded on the 10th, 20th and 28th. Balmoral had 36° F. on the 7th; 37° F. was reported at Braemar on the 7th and at Logie Coldstone on the 20th, while 38° F. occurred at Eskdalemuir on the 10th and at Dalwhinnie on the 6th and 28th.

The duration of sunshine was in excess of the normal over the greater part of Scotland but there were deficiencies in northern and western districts. Edinburgh, Stirling and St. Andrews all had sunshine aggregates exceeding the normal by more than 40 hours. The largest totals were 193 hours at Craibstone, 190 hours at Arbroath, and 189 hours at Dunbar, Edinburgh and St. Andrews.

The rainfall was below the average over the greater part of Scotland, the deficiency being more than 50 per cent. over a considerable area in the south-east and along the east coast south of Aberdeen. Totals slightly exceeding the average occurred in the Orkneys and at some stations in Sutherland, Argyll and Ayrshire. Nearly all the daily falls exceeding an inch were reported in the opening days of the month, but the highest fall, 2.27 inches, occurred at Carrbridge during a thunderstorm on the 15th. Other large daily falls were 1.50 inch at Glenfinnan on the 2nd, 1.38 inch at Duror on the 11th, and 1.34 inch at North Ballachulish on the 11th and at Lairg on the 24th.

Hail fell at North Berwick on the 4th and at Stirling on the 15th.

Fog was reported on 12 days. It was most frequently experienced in the Clyde area and was fairly widespread on the 27th and 28th.

Gales were reported from Banff on the 3rd, from Kettins, Skye and Stornoway on the 22nd and 23rd, and from Kirkwall on the 29th and 30th.

Thunder was reported on 8 days, but only on the 4th and 15th were the reports other than isolated ones.

No reports of aurora were received.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 64.

*Abstract.*

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, AUGUST 1936.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.									
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.		Males.		Females.		Legiti- mate.		Illegiti- mate.		MARRIAGES.		REGISTERED		TRANSFERS (Both Sexes.)	
			Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	Both Sexes.	Males.	Females.	Out.	In.	Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes.)
GLASGOW, . . .	1,088,524	1,124,300	1753	885	868	1669	84	795	1173	645	528	148	39	1064				
EDINBURGH, . . .	439,010	464,600	592	299	293	560	82	445	470	220	250	89	19	400				
DUNDEE, . . .	175,681	178,700	252	129	123	234	18	90	210	105	105	31	7	186				
ABERDEEN, . . .	169,808	176,400	243	125	123	231	17	168	205	118	87	51	15	169				
PAISLEY, . . .	86,445	89,700	141	72	69	136	5	52	86	43	43	12	16	90				
GREENOCK, . . .	78,949	80,200	167	89	78	159	8	56	64	37	27	8	6	62				
MOTHERWELL AND WISHAW, . . .	61,710	66,400	85	38	47	82	3	31	56	17	39	0	9	65				
CLYDEBANK, . . .	46,952	48,500	65	31	34	68	2	25	15	9	6	0	18	33				
KIRKCALDY, . . .	43,874	44,700	60	33	27	56	4	33	39	20	19	4	3	38				
COATBRIDGE, . . .	43,056	43,800	94	59	35	90	4	21	26	19	7	1	11	36				
KILMARNOCK, . . .	38,681	39,900	57	24	33	51	6	30	36	21	15	6	8	38				
HAMILTON, . . .	37,990	38,400	69	34	35	67	2	26	28	13	15	2	6	32				
AYR, . . .	38,905	40,300	55	32	28	51	4	37	67	29	38	30	5	42				
FALKIRK, . . .	86,566	88,000	48	24	24	45	3	24	31	17	14	10	3	24				
DUNFERMLINE, . . .	85,058	86,300	44	25	19	43	1	38	40	21	19	14	4	30				
PERTH, . . .	35,051	35,700	41	22	19	38	3	28	44	18	26	15	3	32				
TOTAL . . . (SIXTEEN TOWNS)	2,459,255	2,546,000	8771	1921	1850	3575	196	1899	2590	1352	1238	421	172	2841				

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, AUGUST 1936.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM								DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.				Principal Epidemic Diseases,	All Tuber- culosis,	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuber.)	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.	Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	18·4	4·8	8·3	12·3	11·2	0·2	0·9	0·7	1·1	148	79		
EDINBURGH, . . .	15·0	5·4	11·3	11·9	10·2	0·2	0·7	0·5	1·0	82	51		
DUNDEE, . . .	16·6	7·1	5·9	13·9	12·3	0·3	0·5	0·3	1·0	15	56		
ABERDEEN, . . .	16·6	6·9	11·2	13·7	11·3	0·3	0·4	0·3	0·9	19	73		
PAISLEY, . . .	18·6	3·5	6·8	11·3	11·8	0·7	1·1	0·7	0·5	13	94		
GREENOCK, . . .	24·6	4·8	8·2	9·4	9·1	0·0	0·4	0·4	0·6	8	56		
MOTHERWELL AND WISHAW, . . .	15·1	3·5	5·5	10·0	11·6	0·9	0·2	0·2	1·2	6	55		
CLYDEBANK, . . .	15·8	3·1	6·1	8·7	8·0	0·0	0·7	0·5	1·0	1	14		
KIRKCALDY, . . .	15·8	6·7	8·7	10·3	10·0	0·3	0·3	0·3	1·3	3	65		
COATBRIDGE, . . .	25·3	4·3	5·7	7·0	9·7	0·3	0·8	0·8	0·0	6	67		
KILMARNOCK, . . .	16·9	10·5	8·9	10·7	11·2	0·0	0·9	0·9	1·2	4	54		
HAMILTON, . . .	21·2	2·9	8·0	8·6	9·8	0·3	0·6	0·3	0·6	6	80		
AYR, . . .	16·1	7·3	10·8	19·6	12·3	0·6	0·0	0·0	1·5	3	54		
FALKIRK, . . .	14·9	6·2	7·5	9·6	7·5	0·3	1·2	0·9	0·0	1	18		
DUNFERMLINE, . . .	14·3	2·3	12·4	18·0	9·8	0·0	0·7	0·3	0·7	1	21		
PERTH, . . .	13·6	7·3	9·3	14·6	10·6	0·3	0·7	0·7	0·0	5	106		
TOTAL . . . (SIXTEEN TOWNS)	17·5	5·2	8·8	12·0	10·9	0·3	0·7	0·6	1·0	271	68		

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &amp;c. FOR AUGUST 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH,	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM										Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	Other Epidemic Diseases.	(14)	(15)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
AUG. 1936, .	17·5	5·2	8·8	10·9	1	8	5	16	9	8	3	8	68	59·6		
AUG. 1935, .	17·6	6·3	7·8	10·4	4	3	3	20	19	3	4	14	54	59·9		
AUG. 1934, .	17·6	6·1	8·0	10·3	1	31	7	13	19	4	8	3	51	57·6		
AUG. 1933, .	17·9	5·8	7·4	10·0	1	1	4	17	10	4	6	7	66	60·6		
AUG. 1932, .	18·6	6·2	7·5	11·0	2	8	7	20	17	7	8	12	79	59·5		
AUG. 1931, .	18·5	6·7	7·3	10·5	1	23	5	18	12	5	9	9	55	55·7		
AUG. 1930, .	19·7	6·0	7·0	10·4	1	9	4	13	8	4	7	19	60	58·3		
AUG. 1929, .	19·5	6·6	6·7	10·8	1	9	1	20	10	12	8	12	61	56·7		
AUG. 1928, .	20·2	6·7	6·7	11·4	1	4	2	42	7	12	9	17	77	57·5		
AUG. 1927, .	20·3	6·1	7·6	11·4	2	45	7	52	20	8	9	18	67	58·5		
AUG. 1926, .	20·7	6·2	7·1	10·8	2	5	7	16	13	7	7	20	61	59·1		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.	
1	Typhoid Fever (including Paratyphoid)	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	
4	Measles	-	8	5	3	3	5	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever	-	5	2	3	3	2	1	-	1	1	-	-	-	-	-	
6	Whooping-cough	-	16	9	9	9	7	-	-	-	-	-	-	-	-	-	
7	Diphtheria	-	9	6	3	2	4	1	-	1	-	-	1	-	-	-	
8	Influenza	-	8	2	6	-	-	-	-	-	-	-	2	4	2	-	
14 (1)	Cerebro-spinal Fever	-	3	1	2	1	-	1	-	-	1	-	-	-	-	-	
14 (2)	Other Epidemic Diseases (2, 3, 9)*	-	8	4	4	1	1	-	-	1	1	1	1	1	-	-	
10	Tuberculosis of Respiratory System	-	120	68	52	-	3	-	2	34	19	22	23	12	3	2	
11	Other Tuberculous Diseases	-	41	21	20	5	6	2	5	12	4	3	1	2	1	-	
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	-	11	6	5	1	-	1	1	1	-	4	3	-	-	-	
15	Cancer, Malignant Disease	-	330	166	164	-	-	1	1	5	18	52	95	111	36	11	
18	Diabetes Mellitus	-	26	8	18	-	1	-	-	1	3	4	6	7	4	-	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	59	28	31	2	3	2	3	10	5	5	11	11	4	2	1	
22	Cerebral Haemorrhage, &c.	-	233	103	130	-	-	-	-	6	1	20	43	83	65	15	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	55	32	23	8	1	4	-	4	4	6	12	5	6	5	3	
24	Heart Disease	-	480	238	242	-	-	1	3	8	9	23	54	90	144	125	
25	Other Circulatory Diseases	-	40	28	12	-	-	-	-	-	1	3	6	14	13	3	
26	Bronchitis	-	62	34	28	3	-	-	-	1	-	8	6	20	17	6	
27	Pneumonia (all forms)	-	115	62	53	27	14	-	2	9	4	12	9	14	15	9	
28	Other Respiratory Diseases	-	34	12	22	-	-	1	-	-	2	2	1	9	7	3	
32 (1)	Gastric and Duodenal Ulcer	-	21	15	6	-	-	-	-	2	1	3	3	5	4	3	
29	Diarrhoea, &c. (all ages)	-	84	46	38	64	12	-	-	1	1	1	1	1	3	2	
30	Appendicitis	-	16	10	6	-	1	1	2	-	3	-	1	4	2	1	
31 (1)	Cirrhosis of Liver	-	9	6	4	-	-	-	-	-	1	-	6	1	1	-	
31 (2)	Other Diseases of Liver, &c.	-	16	4	12	-	-	1	2	-	1	2	3	5	2	-	
32 (2)	Other Digestive Diseases	-	43	31	12	3	3	3	-	3	4	2	1	4	13	7	
33	Acute and Chronic Nephritis	-	75	33	42	2	2	-	1	3	4	7	14	18	17	7	
34	Other Dis. of Genito-Urinary System	-	37	31	6	1	1	-	-	3	3	2	15	9	3	-	
35	Puerperal Sepsis	-	8	-	8	-	-	-	2	4	2	-	-	-	-	-	
36	Other Puerperal Causes	-	11	-	11	-	-	-	-	3	2	-	-	-	-	-	
37	Diseases of Skin and Locomotor System	-	16	9	7	2	-	-	4	2	1	1	-	1	2	1	
38	Congen. Debil., Prem. Birth, Malform., &c.	136	81	55	135	1	-	-	-	-	-	-	-	-	-	-	
39	Old Age	-	44	13	31	-	-	-	-	-	-	-	-	6	24	14	
40	Suicide	-	23	18	5	-	-	-	2	2	5	5	5	3	-	1	
42	Other Violence (41)	-	98	59	39	3	9	6	5	9	6	14	9	8	10	15	
43	Causes Ill-defined or Unknown	-	40	26	14	1	1	-	-	-	2	9	7	9	10	1	
ALL CAUSES					2341	1215	1126	271	73	28	31	106	93	142	255	371	510
89																	

\* See note (†), Table III.

*Causes of Death.*

DEATHS IN EACH TOWN (corrected for Transfers)—August 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	...	1	...	...	...	...	...
4	Measles	8	2	1	1	1	2	1	2	2
5	Scarlet Fever	5	3	2	2	2	2	1	1	1
6	Whooping-cough	16	8	2	1	1	1	1	1	1
7	Diphtheria	9	1	2	1	1	1	1	1	1
8	Influenza...	8	4	3	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	3	...	1	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	8	4	2	...	1	1	1	1
10	Tuberculosis of Respiratory System	120	67	20	4	4	5	3	1	2
11	Other Tuberculous Diseases	41	22	6	4	2	3	...	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	11	5	2	3	1	...	...	...	...
15	Cancer, Malignant Disease	330	132	56	28	29	13	8	12	4
18	Diabetes Mellitus	26	15	4	2	1	...	...	2	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	59	28	14	5	3	...	1	5	...
22	Cerebral Hæmorrhage, &c.	233	100	35	20	18	10	4	8	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	55	25	12	3	2	2	1	2	1
24	Heart Disease	480	213	88	31	39	16	15	9	9
25	Other Circulatory Diseases	40	14	10	5	4	3	...	1	...
26	Bronchitis	62	34	10	5	5	1	...	2	...
27	Pneumonia (all forms)	115	65	18	4	6	3	3	4	3
28	Other Respiratory Diseases	34	8	10	6	3	...	1	1	1
32 (1)	Gastric and Duodenal Ulcer	21	9	6	...	...	1	2	...	1
29	Diarrhoea, &c. (all Ages)	84	52	5	6	2	7	3	...	...
30	Appendicitis	16	6	3	2	2	...	1	...	1
31 (1)	Cirrhosis of Liver	9	4	4	...	...	...	...	...	1
31 (2)	Other Diseases of Liver, &c.	16	8	2	2	1	...	1	2	1
32 (2)	Other Digestive Diseases	43	18	10	7	1	1	2	3	...
33	Acute and Chronic Nephritis	75	32	10	8	5	5	4	...	...
34	Oth. Diseases of Genito-Urinary System	37	10	6	8	2	2	...	...	...
35	Puerperal Sepsis	8	5	1	...	...	...	...	...	...
36	Other Puerperal Causes	11	5	1	2	1	...	...	1	...
37	Dis. of Skin, and of Locomotor System	16	4	5	1	4	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	136	68	18	9	13	7	4	2	...
39	Old Age	44	17	8	6	3	...	2	2	...
40	Suicide	23	9	8	3	...	...	...	1	...
42	Other Violence (41)	98	44	18	4	11	4	4	3	2
43	Causes Ill-defined or Unknown	40	23	1	3	2	1	1	...	2
All Causes		2341	1064	400	186	169	90	62	65	33
AGE AT DEATH.										
Under 1	...	271	148	32	15	19	13	8	6	1
1- 4	...	73	40	4	11	2	7	2	3	...
5- 9	...	28	10	6	4	2	2	...	2	...
10-14	...	31	13	3	2	6	1	1	...	1
15-24	...	106	58	15	8	7	2	2	4	4
25-34	...	93	45	13	5	7	2	2	4	4
35-44	...	142	69	26	5	12	4	3	3	3
45-54	...	255	127	49	18	17	6	7	6	2
55-64	...	371	159	70	30	24	16	8	13	8
65-74	...	510	225	75	42	44	18	14	17	8
75-84	...	372	138	82	35	25	16	12	5	2
85 and over	...	89	32	25	11	4	3	3	2	...
Not stated	...	...	...	...	...	...	...	...	...	...
All Ages		2341	1064	400	186	169	90	62	65	33

\* See note (+), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—August 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.								Perth.	
	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.			
1	Typhoid Fever (including Paratyphoid)	...	...	1	...	...	...	...	1	
4	Measles	...	...	...	1	...	...	...	...	
5	Scarlet Fever	...	...	...	...	...	...	...	...	
6	Whooping-cough	...	...	...	...	...	...	...	2	
7	Diphtheria	...	...	...	...	...	1	1	1	
8	Influenza...	...	...	1	...	...	...	...	...	
14 (1)	Cerebro-spinal Fever	...	1	...	...	...	...	...	...	
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	...	...	...	
10	Tuberculosis of Respiratory System	1	3	3	1	...	3	1	2	
11	Other Tuberculous Diseases	...	...	...	1	...	1	1	...	
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...	
15	Cancer, Malignant Disease	5	10	6	5	8	6	2	6	
18	Diabetes Mellitus	...	...	1	...	...	1	...	...	
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	...	...	...	...	1	1	1	
22	Cerebral Haemorrhage, &c.	7	3	5	2	4	4	5	3	
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	...	...	2	1	...	2	2	
24	Heart Disease	...	9	6	8	6	11	2	7	
25	Other Circulatory Diseases	...	1	...	1	...	1	...	...	
26	Bronchitis	...	3	...	...	...	...	1	...	
27	Pneumonia (all forms)	...	1	...	2	2	3	...	1	
28	Other Respiratory Diseases	...	1	...	2	...	1	...	...	
32 (1)	Gastric and Duodenal Ulcer	...	...	1	...	...	1	...	...	
29	Diarrhoea, &c. (all Ages)	...	2	1	1	2	...	1	2	
30	Appendicitis	...	...	...	...	1	...	...	...	
31 (1)	Cirrhosis of Liver	...	...	...	...	...	...	...	...	
31 (2)	Other Diseases of Liver, &c.	...	1	...	1	...	...	...	...	
32 (2)	Other Digestive Diseases	...	1	...	1	...	...	1	...	
33	Acute and Chronic Nephritis	...	1	1	1	...	3	1	1	
34	Oth. Diseases of Genito-Urinary System	1	1	...	1	1	...	1	...	
35	Puerperal Sepsis	...	...	...	...	1	...	...	1	
36	Other Puerperal Causes	...	...	1	...	...	...	...	...	
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	1	
38	Congenital Debility, Premature Birth, Malformations, &c.	...	2	4	1	3	2	1	2	
39	Old Age	...	...	1	1	...	3	...	1	
40	Suicide	...	...	...	...	1	...	...	1	
42	Other Violence (41)	...	1	...	3	2	...	1	1	
43	Causes Ill-defined or Unknown	...	...	3	2	1	...	...	1	
	All Causes	...	38	36	38	32	42	24	30	32
	AGE AT DEATH.									
Under 1	...	...	3	6	4	6	3	1	1	5
1- 4	...	...	1	1	...	1	1	...	...	...
5- 9	...	...	...	...	...	1	...	1	...	...
10-14	...	...	...	1	...	1	...	1	...	1
15-24	...	...	...	1	1	2	2	3	...	3
25-34	...	...	...	1	1	2	2	2	2	3
35-44	...	...	2	2	3	1	3	2	1	3
45-54	...	...	4	5	4	2	1	2	3	2
55-64	...	...	13	6	5	3	5	4	5	2
65-74	...	...	10	6	9	8	14	5	8	7
75-84	...	...	5	6	9	7	11	6	6	7
85 and over	...	...	...	1	2	...	2	...	3	1
Not stated	...	...	...	...	...	...	...	...	...	...
	All Ages	...	38	36	38	32	42	24	30	32

\* See note (†), Table III.

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of AUGUST 1936.

14 SEP 36

GENERAL  
OPTICAL PAIR

## Abstract of Meteorological Observations.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL. <sup>†</sup>	AIR TEMPERATURE.				HYGROMETER.*				BRIGHT SUNSHINE.			
			Mean of A and B (Mean Temperature).		Absolute Maximum and Minimum.		Mean of		Number of Days.		Total Fall.		Hours per Day.	
			Minimum (B.)	Maximum (A.)	Day of Month.	Day of Month.	Dry Bulb.	Vapour Pressure.	Depression of Wet Bulb.	Humidity.	Day of Month.	Days from Average.	Daily Mean.	Difference from Average.
			• F. inches.	• F. °F. 54° <sub>2</sub>	• F. 73 +24	• F. 26, 27, 29	• F. 7th	• F. 58.9 2.5	• F. 14.5 85	• F. 17 2.77	inch. -1.14	4.26	+0.14	28
Glasgow, Professor J. R. Currie, M.D., The University.	86	1016.7	65.7	59.9	52.9	59.6	+2.9	75	28th	47	58.3	3.3	13.1	79
EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory.	441	1016.5	30.018	66.3	62.9	60.7	+3.4	77	28th	48	61.5	4.3	13.8	75
DUNDEE, College Gardens.	147	1015.8	29.996	68.5	52.9	58.5	+2.6	71	27th	43	58.7	3.8	13.1	78
ABERDEEN, The Meteorological Office.	79	1014.9	29.970	64.9	52.0	60.0	+1.7	74	27th	45	59.1	2.7	14.3	84
PAISLEY, John Woodrow, The Coats Observatory.	106	1016.9	30.030	66.5	63.5	60.0	+2.5	71	28, 29	49	58.6	3.0	14.0	82
GREENOCK, J. Macalister, M.Inst. C.E., Greenock Waterworks.	190	1016.4	20.016	65.0	54.0	59.5	+2.5	76	28th	46	7, 20	61.2	3.5	14.6
KIRKCALDY, J. Page, for The Town Council.	63	..	..	68.8	52.8	60.8	+2.7	74	26th	42	59.4	2.4	14.6	80
KILMARNOCK, W. Dunbar, C.E.	132	..	..	66.0	52.5	59.3	+1.6	71	26th	44	58.3	1.9	14.5	89
AYR, The Medical Officer of Health.	43	..	..	64.0	52.9	53.5	..	75	27th	43	59.5	8.1	13.9	81
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	68.6	51.9	59.8	..	78	25, 27	..	57.5	2.3	13.6	85
PERTH, J. Ritchie, The Museum.	76	1016.2	30.009	68.9	..	..	..	..	..	..	59.2	3.0	14.0	82
<b>Means</b>		146	1016.2	30.009	66.6	53.0	59.6	+2.5	..	..	59.2	3.0	14.0	82

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 6'; Aberdeen, 2° 56'; Paisley, 2° 6'; Greenock, 4° 46'; Perth, 5° 27'; Mean, 3° 36'.

\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kircaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 9h. and 13h.

† As from Jan. 1935 barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

MONTHLY RETURNary.

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

SEPTEMBER 1936.

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REPORT

During the month of September 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,554 living children, of whom 1,823 were males and 1,731 were females. Compared with the number in the previous month, births of male children are 98 fewer, of female children 119 fewer, and of children of both sexes 217 fewer. The monthly birth-rate in these towns taken collectively was 17·0 per thousand. This rate is 0·5 less than that for the previous month, and is 0·1 below the average.

In the individual towns the monthly birth-rate ranged from 23·7 in Coatbridge, 20·3 in Paisley and 20·0 in Hamilton, to 12·1 in Dunfermline, 12·6 in Perth and 14·7 in Edinburgh. In Motherwell and Wishaw it was 18·7, in Greenock 18·4, in Clydebank 18·1, in Kilmarnock 18·0, in Glasgow 17·9, in Aberdeen 16·2, in Dundee 16·0, in Ayr 15·4, in Falkirk 15·1 and in Kirkcaldy 15·0.

Of the 3,554 living children whose births were registered during the month, 3,348 or 94·2 per cent. were legitimate, while 206 or 5·8 per cent. were illegitimate. The legitimate children numbered 227 fewer than in the previous month, but the illegitimate children 10 more. The illegitimate rate for the month is 0·6 above that for the previous month. In the individual towns it ranged from 8·1 in Perth, 6·7 in Glasgow, and 6·6 in Greenock, to 1·2 in Coatbridge, 2·0 in Ayr, 3·4 in Paisley and 3·4 in Kilmarnock. In Edinburgh the rate was 5·4.

Marriages registered during the month numbered 2,252 and are 353 more than in the previous month. The marriage-rate, 10·8 per thousand, is 2·0 above that for the previous month, and 0·6 above the average. In the individual towns it ranged from 16·6 in Ayr, 13·7 in Hamilton and 13·7 in Perth, to 5·5 in Kirkcaldy, 6·7 in Coatbridge and 7·0 in Dundee. In Glasgow the rate was 11·3 and in Edinburgh 12·8.

Deaths registered in these towns during the month numbered 2,572 and are 18 fewer than in the previous month. Deducting deaths of persons with usual

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

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EDINBURGH

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residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,347, of whom 1,187 were males and 1,160 were females. The corrected number is 6 more than in the previous month, males being 28 fewer, but females 34 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 11·2 per thousand, being 0·3 above that for the previous month, and 0·5 above the average. In the towns taken individually the death-rate ranged from 16·4 in Perth, 12·8 in Greenock and 12·2 in Coatbridge, to 6·7 in Falkirk, 7·8 in Clydebank and 8·8 in Motherwell and Wishaw. In Dunfermline the rate was 12·1, in Glasgow 11·9, in Aberdeen 11·1, in Dundee 11·0, in Edinburgh 10·9, in Kilmarnock 10·1, in Ayr 10·0, in Kirkcaldy 9·6, in Hamilton 9·2 and in Paisley 9·0.

Deaths of children of less than one year old numbered 300, and equalled an infantile mortality rate of 77 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 29 more than in the previous month, while the rate is 9 more than in that month, and 13 above the average. In the individual towns this rate ranged from 126 in Coatbridge, 116 in Greenock, and 102 in Paisley, to 22 in Dunfermline, 28 in Clydebank, and 28 in Hamilton. In Glasgow the rate was 96, in Ayr 91, in Perth 87, in Dundee 69, in Motherwell and Wishaw 56, in Falkirk 56, in Aberdeen 55, in Kilmarnock 42, in Edinburgh 40, and in Kirkcaldy 38.

Deaths from the principal epidemic diseases numbered 57 and equalled a death-rate of 0·3 per thousand. These deaths are 1 fewer than in the previous month, but the rate is the same. They include 1 from typhoid fever, 6 from measles, 3 from scarlet fever, 13 from whooping-cough, 11 from diphtheria, 7 from influenza, 10 from cerebro-spinal fever, and 6 from other epidemic diseases, 3 of which were ascribed to erysipelas, 2 to lethargic encephalitis, and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from typhoid fever are the same, from measles 2 fewer, from scarlet fever 2 fewer, from whooping-cough 3 fewer, from diphtheria 2 more, from influenza 1 fewer, from cerebro-spinal fever 7 more, and from other epidemic diseases 2 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 221, and equalled a death-rate of 1·1 per thousand. Compared with the number in the previous month these deaths are 10 more, while the rate is 0·1 more, but is 0·1 below the average.

Deaths from all forms of tuberculosis numbered 178, of which 135 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 17 more, and those from respiratory tuberculosis 15 more. Compared with the average the former are 28 more, and the latter 19 more.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1936.

Mean barometric pressure, 30·004 ins.; greater than the average\* by 0·027 in.

Mean temperature, 55°·9 F.; greater by 2°·5 F.

Mean daily range of temperature, 11°·5 F.; less by 1°·7 F.

Mean daily sunshine, 2·70 hours; less by 1·35 hour.

Rain, depth in inches, 3·36; greater by 0·58 in.

Wind, direction of: a three days' excess of east and north-east winds.

On the 1st dry and sunny weather was general but with the approach of a

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

depression from the Atlantic on the 2nd conditions became unsettled with locally heavy rain. These unsettled conditions continued until the 6th, with some heavy local thunderstorms. Strong squally winds occurred on the 7th and 8th, when a vigorous disturbance rapidly crossed the British Isles, but fair weather and long sunny periods were enjoyed in Scotland on the 8th. With the approach of a depression from the Atlantic, unsettled conditions set in and widespread fog was reported on the 9th. Rain fell generally from the 10th to 12th, but on the 13th conditions improved and considerable sunshine was recorded. Mainly fair weather continued over Scotland with occasional local showers and coastal mist or fog until the 23rd. A secondary disturbance which passed across northern England on the 24th caused heavy rain south of the Forth. Mainly disturbed conditions persisted until the 27th. Anticyclonic conditions prevailed during the closing days of the month. Some unusually low temperatures for the time of the year were recorded on the 28th and 29th. At Edinburgh the extremes of pressure for the month were 30.52 ins. on the 16th, and 29.10 ins. on the 7th.

The mean temperature was above normal in all districts, the greatest excess being in the south, and especially in the Border country, where Eskdalemuir recorded a mean temperature 4.0 degrees above the normal. Shade maxima of 70° F. or slightly above were recorded in many places on various dates up to the 12th. The highest values reported were 73° F. at Forres on the 3rd and 12th, and 72° F. at Glenbranter on the 8th. Over the whole of Scotland, with the exception of the northern islands, the lowest temperatures occurred in the last week of the month. Slight frosts occurred at widely distributed inland stations on the 28th and 29th. The lowest readings recorded were 24° F. on the 28th and 27° F. on the 29th, both at Dalwhinnie, and 28° F. at Peebles on the 29th.

The duration of sunshine was markedly deficient, the only areas reporting amounts equal to or above the normal being in West Argyll, Nairnshire, the Orkneys and Shetlands. Many places had appreciably less than half the normal for September. At Edinburgh it was the least sunny September of the century, and there were record low amounts at Inchkeith and Renfrew. The largest totals were 121 hours at Kirkwall, 118 hours at Duntulm (Skye), 117 hours at Fort Augustus and Nairn, and 114 hours at Inverness.

The rainfall varied considerably in its relation to the normal. A large area in the West and Central Highlands had less than the average amount but elsewhere there was an excess. This excess was greatest in the south and south-east and exceeded 100 per cent. at Dumfries. Nearly all the numerous falls exceeding one inch occurred either in the thunderstorms of the first week or during the period from the 23rd to the 25th. The highest falls reported were 3.60 inches at Poolewe on 4th, 2.18 inches at Dornock House, Dumfries on the 24th, and 2.09 inches at Clunes on the 4th. Auchencairn, Kirkcudbrightshire, had three days with falls exceeding an inch, viz. 1.37 inch on the 2nd, 1.63 inch on the 6th and 1.62 inch on the 24th. The total for the month at this station amounted to 6.63 inches.

A light covering of snow fell on the peaks of the Cairngorms and higher hills on the 26th.

Fog was reported on 22 days, being most widespread on the 9th and the 14th.

Isolated reports of hail occurred on the 4th, 7th, 14th and 26th.

Gales were reported in Skye on the 9th, at Kirkwall on the 12th and at Fort Augustus on the 25th.

Thunder was reported each day from the 2nd to the 7th and on the 14th and 18th. Reports were very widespread on the 4th and only slightly less so on the 14th.

Aurora was observed in the north on 5 days, and in Skye on the 22nd. It was seen near Edinburgh on the 7th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 72.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, SEPTEMBER 1936.\*

TOWNS.	POPULATION.			BIRTHS.				DEATHS.										
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.	Both Sexes.		Males.	Females.	Legiti- mate,	Illegiti- mate,	MARRIAGES.		REGISTERED Both Sexes.	Males.	Females.	DEATHS (Both Sexes.)	Out.	In.	Corrected for Transfers (Both Sexes)
				Both Sexes.	Males.					Both Sexes.	Males.							
GLASGOW, .	1,088,524	1,124,300	1649	856	793	1539	110	1044	1188	631	557	144	57	1101				
EDINBURGH, .	489,010	464,600	559	274	285	529	30	488	485	247	238	81	18	417				
DUNDEE, .	175,681	178,700	235	185	100	220	15	103	166	67	99	15	10	161				
ABERDEEN, .	169,803	176,400	234	119	115	221	13	149	195	107	88	48	13	160				
PAISLEY, .	86,445	89,700	149	81	68	144	5	60	63	34	29	8	11	66				
GREENOCK, .	78,949	80,200	121	53	68	113	8	52	85	43	42	4	3	84				
MOTHERWELL AND WISHAW, .	64,710	66,400	102	52	50	98	4	42	45	30	15	1	4	48				
CLYDEBANK, .	46,952	48,500	72	26	46	68	4	37	23	13	10	1	9	31				
KIRKCALDY, .	43,874	44,700	55	27	28	53	2	20	37	18	19	4	2	35				
COATBRIDGE, .	43,056	43,800	85	48	37	84	1	24	33	16	17	3	14	44				
KILMARNOCK, .	33,681	39,900	59	32	27	57	2	39	38	15	23	9	4	33				
HAMILTON, .	37,990	38,400	63	25	38	60	3	43	22	10	12	1	8	29				
AYR, . . .	38,905	40,800	51	29	22	50	1	55	52	22	30	26	7	33				
FALKIRK, . . .	86,566	88,000	47	28	19	44	3	27	27	14	13	8	2	21				
DUNFERMLINE, .	85,058	86,300	36	18	18	34	2	23	49	25	24	15	2	36				
PERTH, . . .	35,051	35,700	37	20	17	34	3	40	64	31	33	17	1	48				
TOTAL . . . (SIXTEEN TOWNS)	2,459,255	2,546,000	3554	1823	1731	3348	206	2252	2572	1323	1249	385	160	2347				

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, SEPTEMBER 1936.\*

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popula- tion.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.				
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Princi- pal Epidemic Diseases.	All Tuber- culosis.	Tuber- culosis of Respiratory System.	All Respira- tory Diseases (not Tuber- c.)	Number.	* Rate per 1000 Births.	
				Both Sexes.	Males.									
GLASGOW, .	17·9	6·7	11·3	12·9	11·9	0·3		1·1	0·8	1·3	175	96		
EDINBURGH, .	14·7	5·4	12·8	12·7	10·9	0·2		0·8	0·7	0·9	24	40		
DUNDEE, .	16·0	6·4	7·0	11·3	11·0	0·3		0·7	0·6	0·6	18	69		
ABERDEEN, .	16·2	5·6	10·3	13·5	11·1	0·3		0·6	0·6	0·6	14	55		
PAISLEY, .	20·3	3·4	9·0	8·6	9·0	0·4		0·4	0·1	0·7	14	102		
GREENOCK, .	18·4	6·6	7·9	12·9	12·8	0·3		0·8	0·6	1·2	16	116		
MOTHERWELL AND WISHAW, .	18·7	3·9	7·7	8·3	8·8	0·7		1·1	0·9	0·6	6	56		
CLYDEBANK, .	18·1	5·6	9·3	5·8	7·8	0·8		0·0	0·0	1·0	2	23		
KIRKCALDY, .	15·0	3·6	5·5	10·1	9·6	0·3		0·5	0·3	1·6	2	33		
COATBRIDGE, .	23·7	1·2	6·7	9·2	12·2	0·3		0·8	0·3	0·8	11	126		
KILMARNOCK, .	18·0	3·4	11·9	11·6	10·1	0·0		0·0	0·0	1·8	3	42		
HAMILTON, .	20·0	4·8	13·7	7·0	9·2	0·3		1·3	1·3	0·6	2	28		
AYR, . . .	15·4	2·0	16·6	15·7	10·0	0·0		0·6	0·3	0·9	5	91		
FALKIRK, . . .	15·1	6·4	8·7	8·7	6·7	0·3		0·3	0·3	1·9	3	56		
DUNFERMLINE, .	12·1	5·6	7·7	16·5	12·1	0·7		0·0	0·0	0·3	1	22		
PERTH, . . .	12·6	8·1	13·7	21·9	16·4	0·0		0·7	0·3	1·7	4	87		
TOTAL . . . (SIXTEEN TOWNS)	17·0	5·8	10·8	12·3	11·2	0·3		0·9	0·6	1·1	300	77		

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR SEPTEMBER 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate. (2)	Legitimate Birth-rate per 100 Births. (3)	Marriage-Rate. (4)	Death-Rate. (5)	DEATHS FROM										Infantile Mortality Rate. (14)	Mean Temperature. (15)
					*Typhoid Fever. (6)	Measles. (7)	Scarlet Fever. (8)	Whooping-Cough. (9)	Diphtheria. (10)	Influenza. (11)	Cerebro-spinal Fever. (12)	Other Epidemic Diseases. (13)				
					(1)											
SEPT. 1936, .	17·0	5·8	10·8	11·2	1	6	3	13	11	7	10	6	77	55°·9		
SEPT. 1935, .	16·2	6·2	10·4	10·6	3	3	2	12	18	12	2	12	56	53°·9		
SEPT. 1934, .	16·7	6·4	10·7	10·2	2	10	7	13	15	8	3	9	60	55°·4		
SEPT. 1933, .	16·0	6·6	10·3	10·7	0	0	10	10	16	8	5	13	76	56°·6		
SEPT. 1932, .	17·9	5·9	9·9	10·8	3	1	13	14	9	15	10	7	66	53°·3		
SEPT. 1931, .	18·9	6·0	9·5	11·2	6	34	4	7	11	20	12	9	64	52°·2		
SEPT. 1930, .	19·2	7·0	10·2	11·1	2	5	3	16	24	17	14	21	66	54°·5		
SEPT. 1929, .	18·2	6·7	9·4	10·6	2	2	1	15	14	9	11	17	71	56°·3		
SEPT. 1928 .	18·5	6·8	9·2	11·2	1	1	3	31	19	16	9	19	81	52°·8		
SEPT. 1927, .	20·0	6·9	8·9	11·9	3	18	5	34	22	10	4	14	81	52°·1		
SEPT. 1926, .	20·2	5·7	8·9	11·1	5	3	14	10	20	12	5	12	80	54°·6		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1	5	10	15	25	35	45	55	65	75	85 & over	
1	Typhoid Fever (including Paratyphoid) -	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	
4	Measles -	6	2	4	3	3	1	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	3	-	3	1	1	-	-	1	-	1	-	-	-	-	-	
6	Whooping-cough -	13	6	7	5	8	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria -	-	-	-	6	5	3	2	-	1	-	-	-	-	-	-	
8	Influenza -	-	-	7	4	3	1	1	-	-	-	1	1	2	-	1	
14 (1)	Cerebro-spinal Fever -	10	6	4	6	2	-	1	-	1	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	6	4	2	1	1	-	-	-	-	1	1	1	-	-	1	
10	Tuberculosis of Respiratory System -	135	71	64	1	4	1	4	29	37	14	21	17	7	-	-	
11	Other Tuberculous Diseases -	43	16	27	1	11	11	3	2	7	1	1	1	4	1	-	
14 (3)	Other Infectious and Parasitic Dis. (12, 18)	9	6	3	1	-	-	-	-	2	-	2	2	1	1	-	
15	Cancer, Malignant Disease -	315	157	158	-	1	-	1	5	5	15	46	97	81	60	4	
18	Diabetes Mellitus -	30	14	16	-	-	-	1	1	1	2	3	11	7	4	-	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	59	13	46	3	2	4	2	2	6	2	10	11	8	7	2	
22	Cerebral Haemorrhage, &c.	215	93	122	10	2	1	-	1	1	3	21	47	79	53	10	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	56	34	22	10	2	1	-	7	6	5	10	6	9	-	-	
24	Heart Disease -	460	242	218	-	3	2	4	15	15	37	92	141	130	21	-	
25	Other Circulatory Diseases -	44	23	21	-	-	-	1	-	1	2	10	16	11	13	-	
26	Bronchitis -	75	46	29	6	2	1	-	1	3	3	11	17	23	4	-	
27	Pneumonia (all forms) -	116	67	49	31	19	1	1	3	5	16	13	8	14	3	2	
28	Other Respiratory Diseases -	80	11	19	-	-	-	-	2	4	5	1	4	6	6	2	
32 (1)	Gastric and Duodenal Ulcer -	20	14	6	-	-	-	-	2	1	6	5	4	2	-	-	
29	Diarrhoea, &c. (all ages)	128	65	63	97	17	-	-	1	-	4	1	1	1	4	2	
30	Appendicitis -	-	-	14	9	5	-	-	1	2	2	1	2	2	1	-	
31 (1)	Cirrhosis of Liver -	-	-	5	3	2	-	-	-	-	-	2	-	2	1	-	
31 (2)	Other Diseases of Liver, &c. -	-	-	18	6	12	1	-	-	1	1	-	2	3	6	4	
32 (2)	Other Digestive Diseases -	-	-	41	22	19	7	4	-	2	1	4	9	6	3	4	
33	Acute and Chronic Nephritis -	-	-	59	26	33	1	-	1	1	1	5	10	18	14	7	
34	Other Dis. of Genito-Urinary System -	-	-	44	28	16	-	-	-	2	1	3	4	8	12	9	
35	Puerperal Sepsis -	-	-	13	-	13	-	-	-	3	4	6	-	-	-	-	
36	Other Puerperal Causes -	-	-	14	-	14	-	-	-	1	8	5	-	-	-	-	
37	Diseases of Skin and Locomotor System -	-	-	17	13	4	1	-	3	-	2	3	1	1	5	1	
38	Congen. Debil., Prem. Birth, Malform., &c.	121	58	63	119	2	-	-	-	-	-	-	-	-	-	-	
39	Old Age -	-	-	56	19	37	-	-	-	-	-	-	-	11	25	20	
40	Suicide -	-	-	19	13	6	-	-	-	-	1	7	5	2	3	1	
42	Other Violence (41) -	-	-	91	64	27	4	9	8	3	13	8	9	5	13	9	
43	Causes Ill-defined or Unknown -	-	-	43	27	16	1	1	-	1	-	5	4	14	10	6	
	ALL CAUSES -	-	-	2347	1187	1160	300	95	38	23	89	124	136	223	393	472	374

\* See note (+), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—September 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	1	1	1	1	1	1	1	1
4	Measles	6	2	1	1	1	1	1	1	2
5	Scarlet Fever	3	1	2	1	1	1	1	1	1
6	Whooping-cough	13	7	2	1	1	1	1	1	1
7	Diphtheria	11	4	2	1	1	1	1	1	1
8	Influenza	7	4	2	1	1	1	1	1	1
14 (1)	Cerebro-spinal Fever	10	2	2	1	1	2	1	1	1
14 (2)	Other Epidemic Diseases (2, 3, 9)*	6	3	2	1	1	1	1	1	1
10	Tuberculosis of Respiratory System	135	73	26	9	8	1	4	5	5
11	Other Tuberculous Diseases	43	26	6	1	1	2	1	1	1
14 (3)	Oth. Infectious and Parasitic Dis.(12, 13)	9	3	2	2	1	1	1	1	1
15	Cancer, Malignant Disease	315	143	68	16	28	8	7	4	6
18	Diabetes Mellitus	30	17	4	3	1	1	1	1	2
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	59	23	10	9	3	1	2	3	3
22	Cerebral Haemorrhage, &c.	215	97	43	16	14	6	7	5	3
23	Oth. Dis. of Nerv. Syst. and Sense Org.(21)	56	22	10	6	4	1	1	1	1
24	Heart Disease	460	202	91	33	36	18	16	12	6
25	Other Circulatory Diseases	44	13	15	4	3	1	1	1	1
26	Bronchitis	75	38	13	3	1	3	3	1	2
27	Pneumonia (all forms)	116	66	15	4	6	2	4	1	1
28	Other Respiratory Diseases	30	13	6	2	2	1	1	1	1
32 (1)	Gastric and Duodenal Ulcer	20	9	5	1	3	1	2	1	1
29	Diarrhoea, &c. (all Ages)	128	93	6	8	6	4	4	4	1
30	Appendicitis	14	7	1	1	2	1	1	1	1
31 (1)	Cirrhosis of Liver	5	3	1	1	1	1	1	1	1
31 (2)	Other Diseases of Liver, &c.	18	5	3	2	2	1	2	1	1
32 (2)	Other Digestive Diseases	41	17	4	6	2	1	4	1	1
33	Acute and Chronic Nephritis	59	23	12	2	8	2	1	1	1
34	Oth. Diseases of Genito-Urinary System	44	14	15	4	1	1	3	1	1
35	Puerperal Sepsis	13	8	2	1	1	1	1	1	1
36	Other Puerperal Causes	14	10	2	1	1	1	1	1	1
37	Dis. of Skin, and of Locomotor System	17	6	5	3	1	2	1	1	1
38	Congenital Deficiency, Premature Birth, Malformations, &c.	121	55	14	8	12	5	9	1	1
39	Old Age	56	22	7	4	5	3	3	1	1
40	Suicide	19	9	4	2	2	1	2	3	3
42	Other Violence (41)	91	36	21	8	7	1	2	3	3
43	Causes Ill-defined or Unknown	43	24	1	1	2	1	3	2	1
	All Causes	2347	1101	417	161	160	66	84	48	31
	AGE AT DEATH.									
	Under 1	300	175	24	18	14	14	16	6	2
	1-4	95	52	11	7	5	4	2	1	2
	5-9	38	18	6	3	2	2	2	4	1
	10-14	23	15	1	3	1	1	1	1	1
	15-24	89	44	15	9	5	1	2	1	1
	25-34	124	66	21	7	7	3	3	1	1
	35-44	136	67	24	8	6	1	5	5	3
	45-54	223	112	42	12	19	7	3	5	3
	55-64	393	178	70	30	32	10	14	5	7
	65-74	472	194	106	24	33	11	26	12	9
	75-84	374	153	74	32	28	13	11	7	3
	85 and over	80	27	23	8	8	1	1	1	1
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages	2347	1101	417	161	160	66	84	48	31

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—September 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ...	...	...	...	...	...	...	...	...
5	Scarlet Fever ...	...	...	...	...	...	...	...	...
6	Whooping-cough ...	...	...	...	...	1	...	...	...
7	Diphtheria ...	...	...	...	...	...	...	...	...
8	Influenza ...	...	...	...	1	...	...	1	...
14 (1)	Cerebro-spinal Fever ...	...	1	...	...	...	...	1	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	...	...	1	...	...
10	Tuberculosis of Respiratory System ...	1	1	...	4	...	1	...	1
11	Other Tuberculous Diseases ...	1	2	...	...	1	...	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	1	...	...	...
15	Cancer, Malignant Disease ...	1	5	6	4	3	3	8	5
18	Diabetes Mellitus ...	...	...	...	...	2	...	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	...	1	...	...	1	4	2
22	Cerebral Haemorrhage, &c. ...	2	5	1	2	3	1	4	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	...	1	4	2	1	1
24	Heart Disease ...	7	7	8	6	3	2	5	8
25	Other Circulatory Diseases ...	2	...	1	...	...	1	1	1
26	Bronchitis ...	1	2	5	1	...	1	...	1
27	Pneumonia (all forms) ...	4	1	1	1	3	3	1	3
28	Other Respiratory Diseases ...	1	...	...	...	...	2	...	1
32 (1)	Gastric and Duodenal Ulcer ...	...	...	...	...	...	...	...	...
29	Diarrhoea, &c. (all Ages) ...	1	2	1	1	...	...	...	1
30	Appendicitis ...	...	1	1	...	1	...	...	...
31 (1)	Cirrhosis of Liver ...	...	...	...	...	...	...	...	1
31 (2)	Other Diseases of Liver, &c. ...	1	1	...	...	...	...	...	...
32 (2)	Other Digestive Diseases ...	...	...	3	...	1	...	1	1
33	Acute and Chronic Nephritis ...	...	...	1	4	2	1	2	1
34	Oth. Diseases of Genito-Urinary System ...	...	1	...	...	...	...	2	3
35	Puerperal Sepsis ...	...	...	1	...	...	...	...	1
36	Other Puerperal Causes ...	1	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System ...	...	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c. ...	...	2	7	1	2	3	...	1
39	Old Age ...	4	2	1	1	1	1	...	4
40	Suicide ...	...	1	...	...	...	...	...	1
42	Other Violence (41) ...	2	3	...	1	3	1	1	2
43	Causes Ill-defined or Unknown ...	3	1	1	...	1	...	3	1
	All Causes ...	35	44	33	29	33	21	36	48
	AGE AT DEATH.								
Under 1	...	2	11	3	2	5	3	1	4
1-4	...	1	1	1	2	...	2	1	3
5-9	...	...	...	...	1	...	...	...	...
10-14	...	1	1	...	...	...	...	...	...
15-24	...	...	3	...	2	3	...	1	3
25-34	...	2	1	2	1	2	3	3	1
35-44	...	1	5	1	1	4	1	2	2
45-54	...	2	2	1	5	4	3	2	1
55-64	...	2	2	9	4	9	2	8	11
65-74	...	9	9	8	9	3	2	7	10
75-84	...	12	7	6	2	3	3	10	10
85 and over	...	3	2	2	...	...	2	1	3
Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	35	44	33	29	33	21	36	48

\* See note (†), Table III.

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS**  
 Made at Eleven of the Principal Towns during the Month of SEPTEMBER 1936.

OBSERVERS,	AIR PRESSURE* MEAN SEA LEVEL,†	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRE- CIPITATION.				BRIGHT SUNSHINE.			
		Mean of		Absolute Maximum and Minimum.		Mean of		°F.		°F.		inches.		inches.		inches.	
		Day of Month.	Minimum.	Vapour Pressure.	Depression of Wet Bulb.	Dry Bulb.	Humidity.	Day of Month.	Maximum.	Day of Month.	Minimum.	Total Fall.	Difference from Average.	Daily Mean.	Difference from Average.	Daily Mean.	Difference from Average.
		Day of Month.	Maximum.	Mean of A and B (Mean Temperature).	Mean of A and B (Mean Temperature).	Minimum (A.)	Maximum (B.)	Day of Month.	Maximum.	Day of Month.	Minimum.						
		Height of Station above Sea-level.	feet.	Mb.	inches.	°F.	°F.	8th	29th	8th	29th	inch.	inch.	inch.	inch.	inch.	inch.
			85	1016.4	30.016	51.0	61.6	68	56.6	68	56.6	13.3	14	8.31	2.00	-1.33	16
GLASGOW, Professor J. R. CURRIE, M.D., The University.																	
EDINBURGH, Professor R. A. SAMSON, F.R.S., Royal Observatory.																	
DUNDEE, College Gardens.																	
ABERDEEN, The Meteorological Office.																	
PASLEY, John Woodrow, The Coats Observatory.																	
GREENOCK, J. MAGALISTER, M.Inst. C.E., Greenock Waterworks.																	
KIRKCALDY, J. PAGE, for The Town Council.																	
KILMARNOCK, W. DUNBAR, C.E.																	
AYR, The Medical Officer of Health.																	
DUNFERMLINE, The Carnegie Dunfermline Trust.																	
PERTH, J. Ritchie, The Museum.																	
Means	*	146	1016.0	30.004	61.8	50.3	55.9	+2.5	..	..	..	..	..	..	..	..	..

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North Latitude.—Glasgow,  $56^{\circ} 5' E^{\circ}$ ; Edinburgh,  $56^{\circ} 55'$ ; Dundee,  $56^{\circ} 28'$ ; Aberdeen,  $57^{\circ} 9'$ ; Paisley,  $55^{\circ} 51'$ ; Greenock,  $56^{\circ} 56'$ ; Perth,  $56^{\circ} 24'$ ; Mean,  $56^{\circ} 14'$ .  
 West Longitude.—Glasgow,  $4^{\circ} 17'$ ; Edinburgh,  $3^{\circ} 11'$ ; Dundee,  $2^{\circ} 56'$ ; Aberdeen,  $2^{\circ} 6'$ ; Paisley,  $4^{\circ} 26'$ ; Greenock,  $4^{\circ} 46'$ ; Perth,  $3^{\circ} 27'$ ; Mean,  $3^{\circ} 36'$ .

\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.

† As from Jan. 1935 barometer readings have been reduced to standard gravity in latitude  $45^{\circ}$ , and pressure is expressed in millibars (1000 millibars = 29.531 mercury inches) and inches.

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2 Royal Sanitary Institute

## MONTHLY RETURN.

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

OCTOBER 1936.

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### REPORT

During the month of October 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,811 living children, of whom 1,976 were males and 1,835 were females. Compared with the number in the previous month, births of male children are 153 more, of female children 104 more, and of children of both sexes 257 more. The monthly birth-rate in these towns taken collectively was 17.7 per thousand. This rate is 0.7 more than that for the previous month, but is 0.4 below the average.

In the individual towns the monthly birth-rate ranged from 24.3 in Hamilton, 21.8 in Coatbridge and 21.4 in Ayr, to 12.7 in Clydebank, 12.7 in Kirkcaldy and 14.2 in Perth. In Kilmarnock it was 19.8, in Motherwell and Wishaw 19.2, in Glasgow 19.1, in Greenock 18.0, in Paisley 16.7, in Dunfermline 16.6, in Falkirk 16.5, in Aberdeen 16.1, in Edinburgh 15.7 and in Dundee 15.3.

Of the 3,811 living children whose births were registered during the month, 3,587 or 94.1 per cent. were legitimate, while 224 or 5.9 per cent. were illegitimate. The legitimate children numbered 239 more than in the previous month, and the illegitimate children 18 more. The illegitimate rate for the month is 0.1 above that for the previous month. In the individual towns it ranged from 14.0 in Perth, 7.4 in Greenock and 6.9 in Dundee, to 1.2 in Coatbridge, 1.9 in Motherwell and Wishaw and 3.1 in Paisley. In Glasgow the rate was 6.3 and in Edinburgh 6.6.

Marriages registered during the month numbered 1,624 and are 628 fewer than in the previous month. The marriage-rate, 7.5 per thousand, is 3.3 below that for the previous month, and 0.5 below the average. In the individual towns it ranged from 9.9 in Perth, 9.8 in Aberdeen and 8.7 in Dundee, to 4.8 in Coatbridge, 5.1 in Paisley and 5.8 in Hamilton. In Glasgow the rate was 7.7 and in Edinburgh 7.0.

Deaths registered in these towns during the month numbered 2,966 and are 394 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

#### EDINBURGH

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persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,715, of whom 1,423 were males and 1,292 were females. The corrected number is 368 more than in the previous month, males being 236 more and females 132 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 12·6 per thousand, being 1·4 above that for the previous month, and 1·0 above the average. In the towns taken individually the death-rate ranged from 14·9 in Ayr, 13·9 in Perth and 13·8 in Hamilton, to 10·0 in Kirkcaldy, 10·3 in Motherwell and Wishaw and 10·4 in Dunfermline. In Paisley it was 13·7, in Glasgow 13·3, in Coatbridge 13·2, in Greenock 12·5, in Dundee 12·4, in Edinburgh 11·8, in Kilmarnock 11·8, in Aberdeen 11·5, in Clydebank 11·4 and in Falkirk 10·6.

Deaths of children of less than one year old numbered 361, and equalled an infantile mortality rate of 90 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 61 more than in the previous month, while the rate is 13 more than in that month and 14 above the average. In the individual towns this rate ranged from 148 in Paisley, 115 in Glasgow and 107 in Greenock, to 0 in Dunfermline, 19 in Kirkcaldy and 36 in Falkirk. In Coatbridge it was 88, in Kilmarnock 81, in Hamilton 81, in Motherwell and Wishaw 71, in Ayr 68, in Perth 65, in Dundee 64, in Edinburgh 61, in Clydebank 56, and in Aberdeen 42.

Deaths from the principal epidemic diseases numbered 87 and equalled a death-rate of 0·4 per thousand. These deaths are 30 more than in the previous month, and the rate is 0·1 more. They include 2 from typhoid fever, 5 from measles, 5 from scarlet fever, 19 from whooping-cough, 20 from diphtheria, 14 from influenza, 7 from cerebro-spinal fever, and 15 from other epidemic diseases, 5 of which were ascribed to erysipelas, 5 to lethargic encephalitis, 3 to dysentery, and 2 to acute poliomyelitis. Compared with the number in the previous month deaths from typhoid fever are 1 more, from measles 1 fewer, from scarlet fever 2 more, from whooping-cough 6 more, from diphtheria 9 more, from influenza 7 more, from cerebro-spinal fever 3 fewer, and from other epidemic diseases 9 more.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 371, and equalled a death-rate of 1·7 per thousand. Compared with the number in the previous month these deaths are 150 more, while the rate is 0·6 more and is 0·3 above the average.

Deaths from all forms of tuberculosis numbered 141, of which 107 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 37 fewer, and those from respiratory tuberculosis 28 fewer. Compared with the average the former are 19 fewer and the latter 13 fewer.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

OCTOBER 1936.

Mean barometric pressure, 29·977 ins.; greater than the average\* by 0·100 in.  
Mean temperature, 48°·6 F.; greater by 0°·6 F.

Mean daily range of temperature, 12°·2 F.; greater by 0°·9 F.

Mean daily sunshine, 2·86 hours; greater by 0·10 hour.

Rain, depth in inches, 3·22; greater by 0·02 in.

Wind, direction of: a four days' excess of south-west and west winds.

The most notable features of the month were the fine weather of the first ten days and the frequency and severity of the gales experienced in the second half of the month. From the 1st to the 11th the British Isles came under the influence of a high pressure system centred, most of the time, to the north-east of Scotland.

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

Quiet conditions prevailed generally but strong winds were recorded on the West coasts. On the 12th a depression moved east-south-east from Iceland and, for the remainder of the month, pressure was generally low to the north and high to the south-west of the British Isles with depressions moving rapidly from Iceland to Scandinavia. Between the 14th and 16th the wind reached gale force in Orkney and Shetland: from the 17th to 20th the gales became more severe and widespread. Gusts of 88 m.p.h. were recorded at Lerwick, 87 m.p.h. at Kirkwall and 84 m.p.h. at Stornoway on the 17th. Some unusually heavy falls of rain were reported, mainly in the north and west, on the 16th and 17th. Conditions were slightly less stormy from the 21st until 24th, although the wind remained fresh or strong and gales occurred locally. Bright periods were enjoyed on the 22nd and some unusually high temperatures were recorded in East Scotland on this day. From 24th to 28th another period of severe stormy weather prevailed and gales were reported nearly everywhere. A storm of unusual violence swept across Scotland on the night of the 26th and morning of the 27th causing widespread damage to property and some loss of life. At Bell Rock the wind reached a velocity of 94 m.p.h., while gusts of 89 and 85 m.p.h. were recorded at Renfrew and Eskdale-muir respectively.

Rainfall was considerable from the 21st to the close of the month, the heaviest falls occurring on the 24th. Between the 25th and 27th hail showers were widespread and sleet or snow fell at many places. Some good sunshine amounts were enjoyed on the 28th. In the closing days of the month quieter conditions were experienced. At Edinburgh the extremes of pressure for the month were 30.37 ins. on the 10th and 28.71 ins. on the 26th.

Mean temperature was slightly above normal in most districts but slight deficiencies occurred in the north-eastern counties. The highest values reported occurred on the 22nd. Aberdeen with 68°F. enjoyed the highest temperature recorded there at this time of year since 1871; Craibstone had 66°F. and Montrose 65°F. The latter value was also recorded in Edinburgh and Braemar on the 3rd. Most stations recorded their minima near the end of the first week. The lowest values reported were 22°F. at Braemar on the 7th and at Dalwhinnie on the 8th and 23°F. at Balmoral on the 7th. Ground frosts occurred, in one place or other, on 16 days.

The duration of sunshine did not vary appreciably from the normal. There was a slight excess in the north, west and east and a slight deficiency in central and south-east Scotland. The largest totals reported were 115 hours at Montrose and Craibstone and 114 hours at Arbroath.

The rainfall exceeded the normal over all western districts and was generally below normal in the east and south-east. Inveraray with 14.12 ins., had double its normal rainfall, while Montrose with 0.68 in. had only 25 per cent. of the normal fall. Some unusually heavy daily falls were reported. At Kinlochquoich 4.10 ins. fell on the 17th, 3.00 ins. on the 24th, and the total for the month reached the high figure of 18.58 ins. Other heavy falls were 3.07 ins. at Tyndrum and 3.01 ins. at Glenquoich on the 16th, 2.96 ins. at Dalry (Garroch Gardens) and 2.78 ins. at Glenquoich on the 24th.

Snow or sleet occurred locally in the north on every day from the 14th to the 22nd and was reported widely from the 25th to the 27th. Hail was reported on each day from the 13th to 20th and from the 23rd to 28th.

Fog was reported from several stations in the West of Scotland from the 1st to the 4th, and sparse reports were also received from the 6th to 11th, on the 22nd, and from the 29th to 31st.

Gales, often of unusual severity, occurred on the 12th, from 14th to 19th and from 22nd to 29th. On the night of the 26th-27th hangars and aeroplanes were wrecked at Abbotsinch near Paisley, a tramcar weighing 15 tons was blown off the rails in Glasgow, and ferry-steamers were driven off their course in the Firth of Forth in what is probably the worst storm experienced in recent years.

Thunder was reported on 11 days and was widespread from the 24th to the 27th.

Aurora was observed at northern stations on 9 days.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 80.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, OCTOBER 1936.

TOWNS.	POPULATION.			BIRTHS.						DEATHS.						TRANSFERS (Both Sexes.)		
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.	Both Sexes.			Males.			Females.			MARRIAGES.			Both Sexes.	Males.	Females.
				Males.	Females.	Legiti- mate.	Illegiti- mate.	Males.	Females.	Both Sexes.	Males.	Females.	Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes.)
GLASGOW,	1,088,524	1,124,800	1818	954	864	1703	115	730	1408	756	652	177	35	1266				
EDINBURGH,	439,010	464,600	617	303	314	576	41	276	529	255	274	79	14	464				
DUNDEE,	175,681	178,700	232	127	105	216	16	131	200	103	97	14	2	188				
ABERDEEN,	169,803	176,400	240	124	116	231	9	146	210	115	95	50	12	172				
PAISLEY,	86,445	89,700	127	58	69	123	4	39	98	53	40	9	20	164				
GREENOCK,	78,949	80,200	122	60	62	113	9	42	90	44	46	9	4	85				
MOTHERWELL AND WISHAW,	64,710	66,400	108	48	60	106	2	38	51	27	24	0	7	58				
CLYDEBANK,	46,952	48,500	52	31	21	50	2	25	29	17	12	0	18	47				
KIRKCALDY,	43,874	44,700	48	25	23	45	3	28	38	14	24	2	2	38				
COATBRIDGE,	43,056	43,800	81	44	37	80	1	18	40	20	20	1	10	49				
KILMARNOCK,	38,681	39,900	67	32	35	63	4	28	46	18	28	11	5	40				
HAMILTON,	37,990	38,400	79	42	37	74	5	19	36	17	19	3	12	45				
AYR,	38,905	40,300	73	43	30	70	3	27	60	38	22	17	8	51				
FALKIRK,	36,566	38,000	53	31	22	51	2	24	43	25	18	12	3	34				
DUNFERMLINE,	35,058	36,300	51	30	21	49	2	23	38	17	21	8	2	32				
PERTH,	35,051	35,700	43	24	19	37	6	30	55	32	23	17	4	42				
TOTAL (SIXTEEN TOWNS)	2,459,255	2,546,000	3811	1976	1885	3587	224	1624	2966	1551	1415	409	158	2715				

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, OCTOBER 1936.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popula- tion.	DEATH-RATES PER 1000 OF POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tubercle of Respiratory System.	All Respira- tory Diseases (not Tuber- culous.)	Number.	* Rate per 1000 Births.
				All	Causes.								
GLASGOW,	19·1	6·3	7·7	14·8	13·3	0·4	0·8	0·6	2·2	217	115		
EDINBURGH,	15·7	6·6	7·0	13·4	11·8	0·3	0·5	0·4	1·5	38	61		
DUNDEE,	15·3	6·9	8·7	13·2	12·4	0·6	0·6	0·4	1·2	17	64		
ABERDEEN,	16·1	3·8	9·8	14·1	11·5	0·2	0·3	0·2	1·0	11	42		
PAISLEY,	16·7	3·1	5·1	12·2	13·7	0·7	0·9	0·9	1·4	21	148		
GREENOCK,	18·0	7·4	6·2	13·2	12·5	0·6	0·6	0·6	1·5	15	107		
MOTHERWELL AND WISHAW,	19·2	1·9	6·8	9·1	10·3	0·2	0·2	0·2	1·4	8	71		
CLYDEBANK,	13·7	3·8	6·1	7·1	11·4	0·7	0·5	0·5	2·4	4	56		
KIRKCALDY,	12·7	6·3	7·4	10·0	10·0	0·0	0·5	0·3	1·1	1	19		
COATBRIDGE,	21·8	1·2	4·8	10·8	13·2	0·5	0·8	0·5	2·2	8	88		
KILMARNOCK,	19·8	6·0	8·3	13·6	11·8	0·6	0·3	0·3	1·5	6	81		
HAMILTON,	24·3	6·3	5·8	11·1	13·3	1·2	0·6	0·6	0·9	6	81		
AYR,	21·4	4·1	7·9	17·6	14·9	1·5	0·9	0·9	1·5	4	68		
FALKIRK,	16·5	3·8	7·5	13·4	10·6	0·0	0·6	0·0	0·6	2	36		
DUNFERMLINE,	16·6	3·9	7·6	12·4	10·4	0·0	0·7	0·7	1·3	0	0		
PERTH,	14·2	14·0	9·9	18·2	13·9	0·3	1·0	1·0	0·3	3	65		
TOTAL (SIXTEEN TOWNS)	17·7	5·9	7·5	13·8	12·6	0·4	0·7	0·6	1·7	361	90		

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR OCTOBER 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate. (1)	Legitimate Birth- rate per 100 Births. (2)	Marriage-Rate. (4)	Death-Rate. (5)	DEATHS FROM										Infantile Mortality Rate. (14)	Mean Temperature. (15)
					*Typhoid Fever. (6)	Measles. (7)	Scarlet Fever. (8)	Whooping- Cough. (9)	Diphtheria. (10)	Influenza. (11)	Cerebro- spinal Fever. (12)	Other Epidemic Diseases. (13)				
OCT. 1936,	17.7	5.9	7.5	12.6	2	5	5	19	20	14	7	15	90	48°.6		
OCT. 1935,	18.3	6.2	8.8	11.7	1	7	6	3	12	20	6	13	76	47°.4		
OCT. 1934,	18.2	6.2	8.7	11.5	1	8	9	17	23	8	7	10	77	48°.6		
OCT. 1933,	16.4	5.7	8.3	11.7	5	0	16	7	20	14	6	15	81	49°.5		
OCT. 1932,	17.8	6.3	7.6	11.8	0	1	12	9	12	19	11	12	74	46°.0		
OCT. 1931,	19.9	5.7	6.7	11.3	2	70	5	10	12	17	9	16	71	47°.3		
OCT. 1930,	20.5	6.4	7.2	11.7	0	5	6	17	21	16	9	19	74	48°.8		
OCT. 1929,	19.2	7.2	8.1	13.0	0	7	3	8	35	22	13	10	84	47°.2		
OCT. 1928,	21.1	5.9	8.1	13.1	0	2	3	13	16	45	6	14	82	48°.0		
OCT. 1927,	20.3	6.2	7.7	13.0	1	50	8	27	31	37	7	17	87	49°.2		
OCT. 1926,	21.3	6.2	6.4	11.5	4	1	8	6	21	20	8	22	82	43°.8		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
					-1	1	5	10	15	25	35	45	55	65	75	85 & over
1	Typhoid Fever (including Paratyphoid)	2	1	1	-	-	-	-	-	-	1	-	-	1	-	-
4	Measles	5	4	1	1	4	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever	5	3	2	-	4	-	-	-	1	-	-	-	-	-	-
6	Whooping-cough	19	10	9	10	9	-	-	-	-	-	-	-	-	-	-
7	Diphtheria	20	8	12	1	6	9	3	1	-	-	-	-	-	-	-
8	Influenza	14	12	2	-	1	-	-	-	1	2	4	3	1	1	1
14 (1)	Cerebro-spinal Fever	7	3	4	4	1	-	-	-	1	1	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)*	15	8	7	1	2	-	1	1	4	2	1	-	3	-	-
10	Tuberculosis of Respiratory System	107	57	50	-	1	-	1	27	21	21	20	10	6	-	-
11	Other Tuberculous Diseases	34	20	14	2	10	1	5	7	4	2	-	1	2	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	16	10	6	3	-	1	1	1	1	4	5	1	-	-	-
15	Cancer, Malignant Disease	325	168	157	-	-	-	-	2	5	18	44	86	119	44	7
18	Diabetes Mellitus	49	11	29	-	-	-	-	1	-	1	5	14	10	8	1
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	65	28	37	1	5	3	-	6	4	4	11	10	13	5	3
22	Cerebral Haemorrhage, &c.	232	104	128	-	-	-	1	-	1	1	20	47	96	58	8
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	54	30	24	9	1	2	2	3	5	8	9	10	3	2	-
24	Heart Disease	541	270	271	-	-	1	5	4	13	20	45	105	187	132	29
25	Other Circulatory Diseases	59	37	22	-	-	-	-	-	2	-	-	7	13	13	20
26	Bronchitis	117	64	53	4	4	-	-	2	3	3	14	24	26	27	10
27	Pneumonia (all forms)	214	131	83	60	22	4	1	5	16	16	21	31	23	14	1
28	Other Respiratory Diseases	40	19	21	-	-	1	-	-	3	2	4	8	13	9	-
32 (1)	Gastric and Duodenal Ulcer	23	19	4	-	-	-	-	1	7	3	6	4	2	-	-
29	Diarrhoea, &c. (all ages)	137	77	60	111	11	1	-	4	-	-	5	2	3	-	-
30	Appendicitis	20	13	7	1	4	1	3	1	1	3	4	2	-	-	-
31 (1)	Cirrhosis of Liver	12	9	3	-	-	-	-	1	-	2	5	1	3	-	-
31 (2)	Other Diseases of Liver, &c.	18	2	16	-	-	-	-	2	1	2	5	6	2	-	-
32 (2)	Other Digestive Diseases	52	18	34	5	-	2	-	1	3	3	10	7	14	7	-
33	Acute and Chronic Nephritis	68	32	36	-	-	-	2	-	3	3	8	20	26	6	-
34	Other Dis. of Genito-Urinary System	47	33	14	1	-	-	-	1	-	3	4	12	10	13	3
35	Puerperal Sepsis	9	-	9	-	-	-	-	2	6	1	-	-	-	-	-
36	Other Puerperal Causes	14	-	14	-	-	-	-	1	8	5	-	-	-	-	-
37	Diseases of Skin and Locomotor System	24	16	8	3	1	2	2	3	2	2	3	-	1	4	1
38	Congen. Debil., Prem. Birth, Malform., &c.	140	76	64	138	1	1	-	-	-	-	-	-	-	-	-
39	Old Age	65	25	40	-	-	-	-	1	2	4	5	4	5	1	-
40	Suicide	22	14	8	-	-	-	5	2	8	6	4	11	10	11	5
42	Other Violence (41)	86	58	28	6	8	5	2	8	6	4	11	10	11	10	5
43	Causes Ill-defined or Unknown	47	33	14	1	-	-	-	-	4	5	11	17	9	-	-
	ALL CAUSES	2715	1423	1292	361	88	40	28	82	132	186	268	456	619	417	88

\* See note (†), Table III.

*Causes of Death.*

DEATHS IN EACH TOWN (corrected for Transfers)—October 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	2	1	1	...	...	...	...	...	...
4	Measles	5	3	...	...	...	...	...	2	...
5	Scarlet Fever	5	4	...	1	1	2	1	1	1
6	Whooping-cough	19	10	2	3	1	1	2	2	1
7	Diphtheria	20	2	3	...	1	1	1	1	1
8	Influenza	14	5	3	2	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	7	4	...	...	...	1	1	1	1
14 (2)	Other Epidemic Diseases (2, 3, 9)*	15	7	3	3	1	1	1	1	2
10	Tuberculosis of Respiratory System	107	53	17	6	3	7	4	1	2
11	Other Tuberculous Diseases	34	21	4	3	2	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	16	7	6	1	1	...	...	...	...
15	Cancer, Malignant Disease	325	148	54	21	25	16	8	6	7
18	Diabetes Mellitus	40	22	4	2	2	2	1	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	65	30	9	6	7	1	1	...	2
22	Cerebral Haemorrhage, &c.	232	101	41	18	14	8	9	5	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	54	25	15	1	3	...	...	3	...
24	Heart Disease	541	219	106	45	49	15	9	14	10
25	Other Circulatory Diseases	59	22	12	1	6	4	4	2	...
26	Bronchitis	117	60	27	3	2	3	3	2	2
27	Pneumonia (all forms)	214	130	25	12	10	5	4	6	7
28	Other Respiratory Diseases	40	18	7	3	3	3	3	1	1
32 (1)	Gastric and Duodenal Ulcer	23	10	5	2	2	2	...	...	1
29	Diarrhoea, &c. (all Ages)	137	95	4	2	3	10	7	3	1
30	Appendicitis	20	5	5	3	1	2	...	...	...
31 (1)	Cirrhosis of Liver	12	4	4	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	18	6	4	1	1	2	2	...	...
32 (2)	Other Digestive Diseases	52	19	12	6	4	2	2	2	1
33	Acute and Chronic Nephritis	68	30	10	9	6	2	2	1	1
34	Oth. Diseases of Genito-Urinary System	47	21	11	2	3	2	2	2	...
35	Puerperal Sepsis	9	5	1	...	1	...	...	...	...
36	Other Puerperal Causes	14	5	3	2	...	2	...	1	...
37	Dis. of Skin, and of Locomotor System	24	11	5	2	2	...	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	140	68	21	10	4	8	7	6	1
39	Old Age	65	23	11	7	4	3	3	2	1
40	Suicide	22	6	7	3	3	1	...	...	...
42	Other Violence (41)	86	34	18	7	7	9	11	1	...
43	Causes Ill-defined or Unknown	47	32	4	1	1	1	3	1	...
	All Causes	2715	1266	464	188	172	104	85	58	47
	AGE AT DEATH.									
Under 1	...	361	217	38	17	11	21	15	8	4
1-4	...	88	45	7	5	7	3	4	1	3
5-9	...	40	14	3	5	5	2	...	3	1
10-14	...	28	14	5	...	1	2	3	...	2
15-24	...	82	50	5	8	2	4	3	1	2
25-34	...	132	64	27	6	9	5	2	4	2
35-44	...	136	60	25	11	10	4	4	4	...
45-54	...	268	130	48	20	10	9	9	1	6
55-64	...	456	218	73	29	32	11	16	11	9
65-74	...	619	269	126	48	46	20	15	12	11
75-84	...	417	153	85	33	35	21	7	11	7
85 and over	...	88	32	22	6	5	3	8	2	...
Not stated	...	...	...	...	...	...	...	...	...	...
	All Ages	2715	1266	464	188	172	104	85	58	47

\* See note (+), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—October 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ...	...	...	...	...	...	...	...	...
5	Scarlet Fever ...	...	...	...	...	...	...	...	...
6	Whooping-cough ...	...	...	2	2	5	...	...	1
7	Diphtheria ...	...	2	1	...	...	...	...	...
8	Influenza ...	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ...	...	...	...	1	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	...	2	3	2	2	3
10	Tuberculosis of Respiratory System ...	1	2	1	2	...	...	...	...
11	Other Tuberculous Diseases ...	1	1	...	...	...	2	...	...
14 (3)	Oth. Infectious and Parasitic Dis.(12, 13)	...	...	1	...	...	...	...	...
15	Cancer, Malignant Disease ...	7	6	3	4	8	6	4	2
18	Diabetes Mellitus ...	3	2	...	...	...	...	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	...	3	...	2	1	2	1
22	Cerebral Haemorrhage, &c. ...	5	2	6	5	3	3	3	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	...	...	2	...	1	3
24	Heart Disease ...	11	9	8	12	9	7	8	10
25	Other Circulatory Diseases ...	...	1	1	...	1	3	...	2
26	Bronchitis ...	3	5	1	2	3	...	1	...
27	Pneumonia (all forms) ...	1	3	3	1	2	2	2	1
28	Other Respiratory Diseases ...	...	...	1	...	...	...	1	...
32 (1)	Gastric and Duodenal Ulcer ...	...	...	...	...	...	...	1	...
29	Diarrhoea, &c. (all Ages) ...	...	5	1	2	...	2	...	2
30	Appendicitis ...	...	1	1	...	...	1	...	1
31 (1)	Cirrhosis of Liver ...	...	1	...	...	1	2	...	...
31 (2)	Other Diseases of Liver, &c. ...	...	...	...	...	1	1	2	...
32 (2)	Other Digestive Diseases ...	1	2	2	...	...	...	1	...
33	Acute and Chronic Nephritis ...	...	2	...	2	1	...	1	1
34	Oth. Diseases of Genito-Urinary System ...	...	...	...	1	1	...	1	1
35	Puerperal Sepsis ...	...	1	...	...	...	...	...	1
36	Other Puerperal Causes ...	...	...	...	...	...	...	...	1
37	Dis. of Skin, and of Locomotor System ...	...	...	1	...	...	1	...	1
38	Congenital Debility, Premature Birth, Malformations, &c. ...	...	1	2	5	4	1	1	1
39	Old Age ...	...	1	...	...	4	1	3	2
40	Suicide ...	...	...	...	...	2	...	...	...
42	Other Violence (41) ...	1	1	...	3	1	2	...	2
43	Causes Ill-defined or Unknown ...	...	2	...	1	...	...	...	1
	All Causes ...	38	49	40	45	51	34	32	42
	AGE AT DEATH.								
Under 1	...	...	1	8	6	6	4	2	3
1-4	...	...	1	...	2	6	1	2	1
5-9	...	...	...	...	1	1	3	2	...
10-14	...	...	...	...	1	1	2	...	...
15-24	...	...	1	1	2	1	1	3	1
25-34	...	...	1	1	2	2	2	1	6
35-44	...	...	3	2	2	2	4	2	3
45-54	...	...	4	11	4	1	4	5	4
55-64	...	...	8	8	7	10	10	3	7
65-74	...	...	9	13	6	9	12	9	6
75-84	...	...	11	4	7	8	10	6	8
85 and over	...	3	...	1	...	2	...	2	2
Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	38	49	40	45	51	34	32	42

\* See note (†), Table III.

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS**  
Made at Eleven of the Principal Towns during the Month of OCTOBER 1936.

OBSERVERS.	Height of Station above Sea-level.	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRECIPITATION.				BRIGHT SUNSHINE.			
		Mean of AIR PRESSURE* AT MEAN SEA LEVEL. <sup>†</sup>		Absolute Maximum and Minimum.		Mean of Vapour Pressure.		Number of Days.		Hours per Day.		Daily Mean.		Per Cent. of Possible.			
		Maximum (A.)	Minimum (B.)	Day of Month.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Total Fall.	Difference from Average.	19	874	1.86	-0.25	..18	..18		
GLASGOW, <sup>‡</sup> Professor J. R. CURRIE, M.D., The University.	feet. Mb. inches. °F. °F.	54.2 1015.9 85	54.2 29 999 43.8	49.0 +0.8	35 31st	48.3 2.1	9.6 2.6	19 84	19	874	1.86	-0.25	..18	..18			
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	feet. Mb. inches. °F. °F.	53.4 1015.3 29 983	42.8 43.0 48.1	59 +0.1	22, 29 36	47.2 2.6	8.9 2.6	81	15	1.35	-1.39	3.28	+0.07	..22	..22		
DUNDEE, College Gardens.	feet. Mb. inches. °F. °F.	54.8 1014.2 29 950	43.0 41.8 48.9	63 +1.8	22nd 34	48.5 3.0	9.2 2.0	78	14	1.42	-1.24	3.36	+0.21	..32	..32		
ABERDEEN, The Meteorological Office.	feet. Mb. inches. °F. °F.	53.1 1013.1 29 918	41.8 47.5 49.3	-0.1	65 22nd 34	7.8 2.7	46.9 2.7	79	15	1.18	-1.82	3.60	+0.51	..35	..35		
PASLEY, John Woodrow, The Coats Observatory.	feet. Mb. inches. °F. °F.	55.5 1015.7 29 993	43.0 49.3 49.3	+0.7	62 14th 34	4, 6.7 48.4 2.3	9.5 2.3	83	15	4.60	+0.86	2.43	-0.09	..23	..23		
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	feet. Mb. inches. °F. °F.	54.3 1015.9 29 999	44.4 49.3 49.3	+1.0	69 3, 14 27	48.5 2.2	9.9 2.2	83	17	7.72	+2.34	2.55	..	..25	..25		
KIRKCALDY, J. PAGE, for The Town Council.	feet. Mb. inches. °F. °F.	55.1 ..	41.8 48.5 48.5	-0.3	62 22nd 31	28, 31 49.0 2.4	9.8 1.8	83	14	1.77	..	..	..	..	..		
KILMARNOCK, W. DUNBAR, C.E.	feet. Mb. inches. °F. °F.	55.6 ..	42.1 42.1 48.9	+0.4	61 3rd 29	87h 49.1 1.9	10.2 8.6	86	19	5.28	+1.77	2.93	+0.34	..28	..28		
AYR, The Medical Officer of Health.	feet. Mb. inches. °F. °F.	56.9 43 ..	42.6 49.3 49.3	..	59 14, 16 17, 23	30 4.6 1.6	9.6 2.6	86	14	4.18	..	2.93	..	..28	..28		
DUNFERMLINE, The Carnegie Dunfermline Trust.	feet. Mb. inches. °F. °F.	54.4 237 ..	41.9 48.1 48.1	..	62 14th 33	29th 48.5 2.3	9.9 2.3	83	13	1.98	..	2.80	..	..27	..27		
PERTH, J. RITCHIE, The Museum.	feet. Mb. inches. °F. °F.	56.0 76 1015.9 29 999	40.7 48.3 48.3	+1.2	63 6th 27	31st 46.0 2.2	8.7 2.2	83	11	2.94	-0.71	2.88	-0.05	..28	..28		
Means	feet. Mb. inches. °F. °F.	54.7 146 1015.1 29 977	42.5 48.6 +0.6	..	.. .. ..	48.1 2.3 ..	9.5 2.3 ..	83	15	3.22	+0.02	2.86	+0.10	..28	..28		

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North Latitude.—Glasgow, 56° 52'; Edinburgh, 56° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 27'; Mean, 3° 36'.

\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Abordenn at 7h. and 18h.  
† As from Jan. 1935 barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29.531 mercury inches) and inches.

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## MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

NOVEMBER 1936.

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### REPORT

During the month of November 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,601 living children, of whom 1,875 were males and 1,726 were females. Compared with the number in the previous month, births of male children are 101 fewer, of female children 109 fewer, and of children of both sexes 210 fewer. The monthly birth-rate in these towns taken collectively was 17·3 per thousand. This rate is 0·4 less than that for the previous month, and is 0·3 below the average.

In the individual towns the monthly birth-rate ranged from 23·5 in Hamilton, 21·1 in Coatbridge and 20·0 in Motherwell and Wishaw, to 11·6 in Perth, 13·5 in Edinburgh, and 14·5 in Aberdeen and in Dunfermline. In Glasgow the rate was 19·3, in Ayr 18·8, in Clydebank 18·1, in Kilmarnock 18·0, in Paisley 17·7, in Falkirk 16·4, in Greenock 15·8, in Dundee 15·3 and in Kirkcaldy 15·3.

Of the 3,601 living children whose births were registered during the month, 3,415 or 94·8 per cent. were legitimate, while 186 or 5·2 per cent. were illegitimate. The legitimate children numbered 172 fewer than in the previous month, and the illegitimate children 38 fewer. The illegitimate rate for the month is 0·7 below that for the previous month. In the individual towns it ranged from 9·7 in Clydebank, 7·1 in Dundee and 6·8 in Hamilton, to 0 in Kilmarnock and in Perth and 1·5 in Paisley. In Glasgow the rate was 5·8 and in Edinburgh 4·3.

Marriages registered during the month numbered 1,535 and are 89 fewer than in the previous month. The marriage-rate, 7·4 per thousand, is 0·1 below that for the previous month, but 1·1 above the average. In the individual towns it ranged from 9·3 in Aberdeen, 8·5 in Perth and 8·0 in Edinburgh, to 4·5 in Clydebank, 5·0 in Coatbridge and 5·1 in Dundee. In Glasgow the rate was 7·7.

Deaths registered in these towns during the month numbered 3,224 and are 258 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

EDINBURGH

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these towns, the corrected number is found to be 2,939, of whom 1,469 were males and 1,470 were females. The corrected number is 224 more than in the previous month, males being 46 more and females 178 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 14·1 per thousand, being 1·5 above that for the previous month, and 0·6 above the average. In the towns taken individually the death-rate ranged from 20·3 in Ayr, 16·3 in Motherwell and Wishaw and 16·2 in Paisley, to 9·5 in Hamilton, 9·7 in Greenock and 10·2 in Perth. In Glasgow the rate was 15·4, in Dundee 14·3, in Falkirk 13·5, in Edinburgh 13·0, in Coatbridge 12·2, in Clydebank 12·1, in Kilmarnock 11·9, in Aberdeen 11·8, in Kirkcaldy 11·5, and in Dunfermline 11·4.

Deaths of children of less than one year old numbered 396, and equalled an infantile mortality rate of 102 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 35 more than in the previous month, while the rate is 12 more than in that month and 13 above the average. In the individual towns this rate ranged from 169 in Ayr, 138 in Glasgow and 127 in Clydebank, to 19 in Kirkcaldy, 47 in Dundee and 53 in Greenock. In Paisley it was 109, in Hamilton 99, in Perth 93, in Dunfermline 87, in Motherwell and Wishaw 82, in Coatbridge 77, in Kilmarnock 69, in Edinburgh 60, in Aberdeen 56, and in Falkirk 56.

Deaths from the principal epidemic diseases numbered 103 and equalled a death-rate of 0·5 per thousand. These deaths are 16 more than in the previous month, and the rate is 0·1 more. They include none from typhoid fever, none from measles, 9 from scarlet fever, 27 from whooping-cough, 19 from diphtheria, 23 from influenza, 6 from cerebro-spinal fever, and 19 from other epidemic diseases, 7 of which were ascribed to lethargic encephalitis, 6 to erysipelas, 5 to dysentery, and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from scarlet fever are 4 more, from whooping-cough 8 more, from diphtheria 1 fewer, from influenza 9 more, from cerebro-spinal fever 1 fewer, and from other epidemic diseases 4 more.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 470, and equalled a death-rate of 2·3 per thousand. Compared with the number in the previous month these deaths are 99 more, while the rate is 0·6 more and is 0·1 above the average.

Deaths from all forms of tuberculosis numbered 187, of which 146 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 46 more, and those from respiratory tuberculosis 39 more. Compared with the average the former are 12 more and the latter 9 more.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

NOVEMBER 1936.

Mean barometric pressure, 29·799 ins.; less than the average\* by 0·51 in.

Mean temperature, 41°·3 F.; less by 0°·4 F.

Mean daily range of temperature, 10°·0 F.; greater by 0°·1 F.

Mean daily sunshine, 1·35 hours; less by 0·31 hour.

Rain, depth in inches, 2·92; less by 0·51 in.

Wind, direction of: about normal.

From the 1st to the 10th pressure was low to the north and high to the southwest of the British Isles with active disturbances moving in over Scotland. Stormy weather prevailed generally over Scotland with occasional gales in the west and extreme north. Temperatures were generally about normal or rather above, but

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

local night frosts were recorded on the 9th. A depression passing to the south on the 12th and 13th caused rain and fresh or strong easterly winds over Scotland. Disturbed conditions persisted from the 14th to 18th with widespread rain. Mainly anticyclonic conditions prevailed from the 19th to 28th. There was widespread fog, which was often very dense and persisted for several days. Shipping in the Clyde and on other waterways was frequently held up. Frost was general and severe on the 23rd and 24th. Freshening westerly winds were associated with the advance of a deep depression across Iceland on the 29th. Gales were renewed extensively in the north on the 29th and 30th.

The mean temperature of the month differed little from the normal in all districts. Shade maxima of 50° F. or slightly above occurred in most places in the opening days of the month and this value was also reached over wide areas on the 29th. The highest temperatures reported were 57° F. at Logie Coldstone on the 21st and 56° F. at North Berwick on the 1st, at Forres on the 2nd, at Gordon Castle on the 21st and 30th, at Stirling on the 28th, and at Stonehaven, Nairn and Fortrose on the 29th. The coldest days were the 23rd and 24th, when the minima recorded were 16° F. at Braemar, 18° F. at Balmoral, 19° F. at Logie Coldstone, and 20° F. at Dalwhinnie, Peebles and Thorntonhall. The most severe ground frosts registered were 11° F. at Dalwhinnie on the 23rd, 13° F. at Peebles on the 22nd, and 14° F. at Peebles and Braemar on the 23rd.

The duration of sunshine varied considerably, being in excess of the normal along the east coast and in the extreme north and deficient elsewhere. Thus Montrose, with 86 hours' duration, had the sunniest November since 1925; Arbroath had 82 hours and Stonehaven 78 hours. At the other end of the scale Glasgow had only 15 hours and Greenock 18 hours. Stornoway and Cardross, with 25 hours' sunshine apiece, had the dullest November of the century.

The total rainfall also differed considerably from the normal from place to place. The area with rainfall above normal comprised the southern and south-eastern counties, the greatest excess, amounting to nearly 50 per cent., being in Berwickshire. The whole of Scotland north of the Firth of Forth had less than the normal rainfall. Aberdeen had one of the driest Novembers on record, the total fall, 1.36 inch, being less than half the normal. Daily amounts exceeding an inch were recorded at many stations in the south and west. Auchencairn (Kirkcudbright) had four such falls, the highest being 1.76 inch on the 7th. Other heavy daily falls were 1.59 inch at Kinlochquoich (Inverness) and 1.50 inch at Gubhill (Dumfries).

Snow or sleet was reported on high ground in the north and west on seven days between the 4th and 16th and again on the 29th and 30th. It occurred so far south as West Linton on the 9th and at Boghall on the 12th. Hail was reported locally from the 3rd to 9th, 12th, 14th, 15th and 30th. It was most widespread on the 15th.

Fog occurred on 20 days. It was persistent, widespread and often very dense from the 21st to 27th.

Gales occurred on 15 days. Those of the 29th and 30th were of greatest severity, especially in the north. Wind gusts up to 78 miles per hour were recorded at Kirkwall and 87 miles per hour at Stornoway on the 30th.

Thunder was reported locally on 11 days.

Aurora was observed in Edinburgh on the 3rd and at places further north on 8 other days.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 88.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, NOVEMBER 1936.

TOWNS.	POPULATION.		BIRTHS.						DEATHS.						REGISTERED		TRANSFERS (Both Sexes.)		Out.	In.	Corrected for Transfers (Both Sexes)	
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.		Males.		Females.		Legiti- mate.		Illegiti- mate.		MARRIAGES.		Both Sexes.		Males.					
			Both Sexes.	Males.	Females.	Both Sexes.	Males.	Females.	Both Sexes.	Males.	Females.	Both Sexes.	Males.	Both Sexes.	Males.	Females.	Both Sexes.	Out.	In.			
GLASGOW, . . .	1,088,524	1,124,300	1782	933	844	1679	103	706	1538	862	726	201	30	1417								
EDINBURGH, . . .	439,010	464,600	515	263	252	498	22	306	573	271	302	88	9	494								
DUNDEE, . . .	175,681	178,700	224	126	98	208	16	75	218	98	120	16	8	210								
ABERDEEN, . . .	169,803	176,400	210	112	98	199	11	134	203	95	108	39	6	170								
PAISLEY, . . .	86,445	89,700	130	62	68	128	2	47	123	60	63	18	9	119								
GREENOCK, . . .	78,949	80,200	104	49	55	98	6	48	68	35	33	7	3	64								
MOTHERWELL AND WISHAW, . . .	64,710	66,400	109	50	59	104	5	31	72	29	43	0	17	89								
CLYDEBANK, . . .	46,952	48,500	72	37	35	65	7	18	24	13	11	0	24	48								
KIRKCALDY, . . .	43,874	44,700	56	30	26	55	1	24	44	15	29	5	3	42								
COATBRIDGE, . . .	43,056	43,800	76	37	39	73	3	18	38	18	20	2	8	44								
KILMARNOCK, . . .	38,681	39,900	59	31	28	59	0	17	41	26	15	9	7	39								
HAMILTON, . . .	37,990	38,400	74	40	34	69	5	20	21	7	14	0	9	30								
AYR, . . .	38,905	40,800	62	33	29	60	2	25	80	31	49	21	8	67								
FALKIRK, . . .	36,566	38,000	51	23	28	49	2	18	46	30	16	7	3	42								
DUNFERMLINE, . . .	85,058	86,300	48	27	16	42	1	23	42	23	19	11	3	34								
PERTH, . . .	35,051	35,700	34	17	17	34	0	25	43	23	20	13	0	30								
TOTAL . . . (SIXTEEN TOWNS)	2,459,255	2,546,000	3601	1875	1726	3415	186	1535	3224	1636	1588	432	147	2939								

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, NOVEMBER 1936.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.			
				All Causes.		Regis- tered.	Corr. for Trans- fers.	Principal Epidemic Diseases.	All Tuber- culosis.	Tuber. of Respiratory System.	All Respira- tory Diseases (not Tuber.)	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.								
GLASGOW, . . .	19·3	5·8	7·7	17·2	15·4	0·5	1·2	0·9	3·0	253	138		
EDINBURGH, . . .	13·5	4·3	8·0	15·0	13·0	0·3	0·8	0·7	1·7	36	60		
DUNDEE, . . .	15·3	7·1	5·1	14·9	14·3	0·4	0·5	0·4	1·8	12	47		
ABERDEEN, . . .	14·5	5·2	9·3	14·0	11·8	0·4	0·5	0·5	1·2	14	56		
PAISLEY, . . .	17·7	1·5	6·4	16·7	16·2	0·4	1·1	1·0	1·6	15	109		
GREENOCK, . . .	15·8	5·8	7·3	10·3	9·7	0·3	0·5	0·2	1·4	7	53		
MOTHERWELL AND WISHAW, . . .	20·0	4·6	5·7	13·2	16·3	0·6	0·6	0·6	1·8	9	82		
CLYDEBANK, . . .	18·1	9·7	4·5	6·0	12·1	1·0	0·5	0·5	2·8	9	127		
KIRKCALDY, . . .	15·3	1·8	6·6	12·0	11·5	0·3	0·3	0·3	1·6	1	19		
COATBRIDGE, . . .	21·1	3·9	5·0	10·6	12·2	1·7	1·4	0·8	1·9	7	77		
KILMARNOCK, . . .	18·0	0	5·2	12·5	11·9	0·9	0·9	0·3	1·5	5	69		
HAMILTON, . . .	23·5	6·8	6·4	6·7	9·5	0·0	0·0	0·0	1·9	7	99		
AYR, . . .	18·8	3·2	7·6	24·2	20·3	2·4	0·3	0·3	2·1	10	169		
FALKIRK, . . .	16·4	3·9	5·8	14·8	13·5	0·0	1·9	1·3	1·3	3	56		
DUNFERMLINE, . . .	14·5	2·3	7·7	14·1	11·4	0·0	0·3	0·3	0·7	4	87		
PERTH, . . .	11·6	0	8·5	14·7	10·2	0·0	0·7	0·3	1·0	4	93		
TOTAL . . . (SIXTEEN TOWNS)	17·3	5·2	7·4	15·4	14·1	0·5	0·9	0·7	2·3	396	102		

\* Based on the average number of births registered monthly during the past 12 months.

## Aggregate of Sixteen Principal Towns.

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TABLE III.—BIRTH-RATE, DEATH-RATE, &amp;c. FOR NOVEMBER 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate. (2)	Illegitimate Births rate per 100 Births (3)	Marriage-Rate. (4)	Death-Rate. (5)	DEATHS FROM										Infantile Mortality Rate. (14)	Mean Temperature. (15)
					*Typhoid Fever. (6)	Measles. (7)	Scarlet Fever. (8)	Whooping- Cough. (9)	Diphtheria. (10)	Influenza. (11)	Cerebro- spinal Fever. (12)	Other Epidemic Diseases. (13)				
NOV. 1936, .	17.3	5.2	7.4	14.1	0	0	9	27	19	23	6	19	102	41°.3		
NOV. 1935, .	17.3	6.1	6.4	13.0	1	13	5	1	20	37	2	17	94	42°.3		
NOV. 1934, .	18.0	4.9	6.0	14.6	1	6	6	17	21	45	6	16	97	42°.2		
NOV. 1933, .	16.7	5.8	5.8	13.0	1	0	30	6	20	33	7	26	76	42°.1		
NOV. 1932, .	17.7	6.7	6.1	13.7	1	0	14	28	17	80	7	7	92	42°.1		
NOV. 1931, .	18.3	5.8	7.0	13.2	1	125	20	14	21	15	14	18	85	45°.2		
NOV. 1930, .	18.3	6.1	6.1	13.2	2	11	5	23	19	34	11	10	97	40°.5		
NOV. 1929, .	18.6	6.2	5.9	12.8	0	24	4	15	30	35	7	9	78	42°.6		
NOV. 1928, .	19.9	6.4	5.8	13.2	1	3	6	12	21	42	8	18	98	44°.3		
NOV. 1927, .	19.5	6.5	6.2	14.4	1	81	15	17	34	32	8	11	119	42°.3		
NOV. 1926, .	21.2	5.5	6.2	15.5	3	5	11	8	28	35	4	14	111	40°.9		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1936.

internal Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
					-1	1	5	10	15	25	35	45	55	65	75	85 & over
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	-	-	-	-	9	3	6	2	7	-	-	-	-	-	-
6	Whooping-cough -	-	-	-	-	27	10	17	16	10	1	-	-	-	-	-
7	Diphtheria -	-	-	-	-	19	12	7	-	6	11	1	-	-	1	-
8	Influenza -	-	-	-	-	23	15	8	3	-	-	1	2	3	4	4
14 (1)	Cerebro-spinal Fever -	-	-	-	-	6	3	3	4	-	-	1	-	-	1	1
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	-	-	-	-	19	11	8	1	-	-	1	1	4	5	2
10	Tuberculosis of Respiratory System -	-	-	-	-	146	88	58	2	1	-	4	35	30	23	19
11	Other Tuberculous Diseases -	-	-	-	-	41	20	21	2	12	7	2	6	5	3	1
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	7	5	2	-	1	-	-	-	1	-	1	1	1	2	-
15	Cancer, Malignant Disease -	-	-	-	-	367	164	203	-	1	-	3	4	21	59	107
18	Diabetes Mellitus -	-	-	-	-	39	12	-	-	-	-	3	1	5	8	3
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	73	23	50	1	3	1	1	3	6	3	8	10	17	12	8
22	Cerebral Haemorrhage, &c. -	-	-	-	-	240	107	133	-	-	-	2	1	6	20	48
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	63	30	33	11	7	2	2	2	5	4	9	6	7	6	4
24	Heart Disease -	-	-	-	-	623	297	326	1	1	4	3	15	15	27	66
25	Other Circulatory Diseases -	-	-	-	-	53	31	22	-	-	-	1	1	4	10	17
26	Bronchitis -	-	-	-	-	160	80	30	24	1	-	1	-	5	13	29
27	Pneumonia (all forms) -	-	-	-	-	266	147	119	107	42	4	1	5	12	12	23
28	Other Respiratory Diseases -	-	-	-	-	44	23	21	6	2	1	1	4	1	2	6
32 (1)	Gastric and Duodenal Ulcer -	-	-	-	-	24	15	9	-	-	-	2	7	9	3	3
29	Diarrhoea, &c. (all ages) -	-	-	-	-	67	38	29	48	7	-	1	1	5	-	2
30	Appendicitis -	-	-	-	-	18	8	10	-	1	3	1	5	1	2	2
31 (1)	Cirrhosis of Liver -	-	-	-	-	7	6	1	-	-	-	-	3	1	3	-
31 (2)	Other Diseases of Liver, &c. -	-	-	-	-	20	5	15	-	1	-	-	1	4	7	5
32 (2)	Other Digestive Diseases -	-	-	-	-	41	20	21	2	1	-	4	-	3	2	9
33	Acute and Chronic Nephritis -	-	-	-	-	74	36	38	1	-	1	1	5	4	14	18
34	Other Dis. of Genito-Urinary System -	-	-	-	-	49	35	14	-	1	-	3	3	2	5	8
35	Puerperal Sepsis -	-	-	-	-	9	-	9	-	-	2	7	-	-	-	-
36	Other Puerperal Causes -	-	-	-	-	10	-	10	-	-	3	7	-	-	-	-
37	Diseases of Skin and Locomotor System -	-	-	-	-	20	16	4	4	4	1	2	1	3	1	1
38	Congen. Debil., Prem. Birth, Malform., &c. -	152	90	62	149	1	-	-	1	-	1	1	-	-	2	1
39	Old Age -	-	-	-	-	68	25	43	-	-	-	-	-	1	7	39
40	Suicide -	-	-	-	-	23	16	7	-	-	1	2	2	7	3	8
42	Other Violence (41) -	-	-	-	-	93	56	37	8	5	1	2	10	8	4	14
43	Causes Ill-defined or Unknown -	-	-	-	-	39	22	17	4	-	-	1	-	2	5	3
	ALL CAUSES -	-	2939	1469	1470	386	114	38	26	114	122	153	286	458	676	458

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—November 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.		Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...	...
4	Measles	...	9	3	...	...	...	...	...	1	1
5	Scarlet Fever	...	27	15	2	1	1	3	2	1	1
6	Whooping-cough	...	19	9	1	1	1	1	1	1	1
7	Diphtheria	...	23	13	2	1	1	2	1	1	1
8	Influenza	...	6	3	1	1	1	1	1	1	1
14 (1)	Cerebro-spinal Fever	...	19	6	6	2	2	2	2	2	2
14 (2)	Other Epidemic Diseases (2, 3, 9)*	146	83	25	6	7	7	7	7	1	1
10	Tuberculosis of Respiratory System	41	25	4	2	2	2	2	2	3	3
11	Other Tuberculous Diseases	7	3	4	2	2	2	2	2	1	1
14 (3)	Oth. Infectious and Parasitic Dis.(12, 13)	367	163	72	37	20	14	14	14	11	10
15	Cancer, Malignant Disease	39	12	12	3	4	4	4	4	3	2
18	Diabetes Mellitus	73	28	16	7	7	7	7	7	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	240	106	39	27	13	11	11	11	7	7
22	Cerebral Haemorrhage, &c.	63	37	4	2	3	3	3	3	2	2
23	Oth. Dis. of Nerv. Syst. and Sense Org.(21)	623	282	115	45	44	27	15	15	24	6
24	Heart Disease	160	91	23	11	4	4	4	4	2	2
25	Other Circulatory Diseases	266	170	32	12	12	8	8	8	5	6
26	Bronchitis	44	20	9	3	1	1	1	1	1	1
27	Pneumonia (all forms)	24	9	5	2	2	2	2	2	2	2
32 (1)	Gastric and Duodenal Ulcer	67	41	7	4	3	3	3	3	3	3
29	Diarrhoea, &c. (all Ages)	18	7	3	2	2	2	2	2	2	2
30	Appendicitis	7	2	5	2	2	2	2	2	2	2
31 (1)	Cirrhosis of Liver	20	8	3	2	2	2	2	2	2	2
31 (2)	Other Diseases of Liver, &c.	41	22	6	2	4	4	4	4	4	4
32 (2)	Other Digestive Diseases	74	30	12	8	5	5	5	5	2	2
33	Acute and Chronic Nephritis	49	17	11	6	1	1	1	1	1	1
34	Oth. Diseases of Genito-Urinary System	9	6	3	2	2	2	2	2	2	2
35	Puerperal Sepsis	10	4	3	1	1	1	1	1	1	1
36	Other Puerperal Causes	20	12	1	3	1	1	1	1	1	1
37	Dis. of Skin, and of Locomotor System	152	73	24	6	6	8	8	8	4	4
38	Congenital Debility, Premature Birth, Malformations, &c.	68	25	10	7	5	5	5	5	2	2
39	Old Age	23	7	11	1	1	1	1	1	2	2
40	Suicide	93	44	15	4	6	4	4	4	5	5
42	Other Violence (41)	39	24	...	...	4	1	1	1	1	1
43	Causes Ill-defined or Unknown	2939	1417	494	210	170	119	64	89	48	48
	All Causes										
	AGE AT DEATH.										
Under 1	...	396	253	36	12	14	15	7	9	9	9
1- 4	...	114	70	5	12	4	4	3	3	3	4
5- 9	...	38	20	2	3	1	1	1	1	1	1
10-14	...	26	17	...	...	...	1	1	1	1	1
15-24	...	114	56	23	7	8	4	1	2	2	2
25-34	...	122	63	17	7	8	4	3	4	4	3
35-44	...	103	77	23	10	9	4	4	4	2	1
45-54	...	286	143	52	16	15	12	7	11	5	5
55-64	...	458	208	93	31	26	17	8	20	15	15
65-74	...	676	285	131	56	43	31	19	21	13	3
75-84	...	458	190	93	48	30	22	7	13	3	3
85 and over	...	98	35	19	8	12	4	4	3	3	3
Not stated	...	...	...	...	...	...	...	...	...	...	...
	All Ages	2939	1417	494	210	170	119	64	89	48	48

\* See note (+), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—November 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ...	...	...	1	1	1	1	1	1
5	Scarlet Fever ...	...	2	1	1	1	1	1	1
6	Whooping-cough ...	...	...	1	1	1	1	1	1
7	Diphtheria ...	...	...	1	1	1	1	1	1
8	Influenza ...	...	3	1	1	1	1	1	1
14 (1)	Cerebro-spinal Fever ...	...	1	1	1	1	1	1	1
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	1	...	...	...	1	...	...	...
10	Tuberculosis of Respiratory System ...	1	3	1	1	1	4	1	1
11	Other Tuberculous Diseases ...	...	2	2	2	2	2	2	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13) ...	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease ...	6	4	5	2	6	3	5	4
18	Diabetes Mellitus ...	...	1	1	1	1	1	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19) ...	1	2	...	1	3	1	...	2
22	Cerebral Hæmorrhage, &c. ...	6	3	4	2	6	5	2	2
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21) ...	...	3	1	...	3	1	1	1
24	Heart Disease ...	...	10	4	8	15	9	7	7
25	Other Circulatory Diseases ...	...	2	...	1	...	4	3	...
26	Bronchitis ...	...	3	4	3	3	1	1	1
27	Pneumonia (all forms) ...	...	2	3	2	3	3	1	2
28	Other Respiratory Diseases ...	...	1	...	1	1	1	1	1
32 (1)	Gastric and Duodenal Ulcer ...	...	1	1	...	1	...	...	...
29	Diarrhoea, &c. (all Ages) ...	...	1	1	1	3	...	...	1
30	Appendicitis ...	...	1	...	...	...	...	...	...
31 (1)	Cirrhosis of Liver ...	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ...	1	...	1	1	1	...	...	...
32 (2)	Other Digestive Diseases ...	...	1	...	1	...	...	...	...
33	Acute and Chronic Nephritis ...	...	...	2	...	3	1	4	1
34	Oth. Diseases of Genito-Urinary System ...	1	...	1	...	2	1	1	1
35	Puerperal Sepsis ...	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ...	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System ...	...	...	...	...	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c. ...	...	1	1	3	6	5	2	3
39	Old Age ...	...	1	4	...	2	2	3	...
40	Suicide ...	...	1	...	...	...	...	1	...
42	Other Violence (41) ...	...	1	1	2	2	2	...	1
43	Causes Ill-defined or Unknown ...	...	1	1	1	1	1	1	2
	All Causes ...	42	44	39	30	67	42	34	30
	AGE AT DEATH.								
Under 1	...	1	7	5	7	16	3	4	4
1- 4	...	1	...	2	1	1	1	1	2
5- 9	...	2	1	1	1	3	1	1	1
10-14	...	1	3	...	1	2	1	1	1
15-24	...	1	...	1	1	5	2	2	2
25-34	...	2	2	5	1	...	3	2	...
35-44	...	4	3	4	1	5	2	4	1
45-54	...	4	3	1	3	5	3	1	5
55-64	...	9	8	3	2	12	6	6	4
65-74	...	14	8	5	7	12	14	9	6
75-84	...	5	7	9	5	10	5	7	4
85 and over	...	1	...	4	1	2	1	2	2
Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	42	44	39	30	67	42	34	30

\* See note (†), Table III.

*Abstract of Meteorological Observations.*

## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of NOVEMBER 1936.

OBSERVERS.	Height of Station above Sea-level. feet.	AIR TEMPERATURE.				HYGROMETER.*				RAIN, AND OTHER FORMS OF PRECIPITATION.				BRIGHT SUNSHINE.			
		Mean of AIR PRESSURE* AT MEAN SEA LEVEL,†		Absolute Maximum and Minimum.		Mean of Humidity.		Mean of Vapour Pressure.		Total Fall.		Number of Days.		Difference from Average.		Hours per Day.	
		Mean of Maximum (A.)	Minimum (B.)	Day of Month.	Minimum.	Dry Bulb.	Depression of Wet Bulb.	Dry Bulb.	Vapour Pressure.	Total Fall.	Number of Days.	Difference from Average.	Daily Mean.	Difference from Average.	Difference from Average.	Per Cent. of Possible.	
		Mean of A and B (Mean Temperature).		Difference from Average.		Mean of F.		°F.		inch.		inch.		inch.		inch.	
GLASGOW, Professor J. R. CURRIE, M.D., The University.	85 1009·3	29·806 4·61	37·2 41·7	-0·8 -0·8	53 53	3·29 28	23·24 23·1	41·6 41·1	7·4 1·0	0·00 8·0	21 21	0·49 2·11	-0·13 -0·13	0·00 2·26	-0·47 +0·04	6 27	
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441 1009·2	29·803 4·57	38·1 41·9	-0·1 -0·1	52 52	29, 30 3, 29	28 23·2d	41·6 40·8	2·1 1·8	82 84	21 16	1·66 1·66	-0·78 -0·78	2·21 2·21	-0·10 -0·10	97	
DUNDEE, College Gardens.	147 1008·7	29·789 4·64	36·7 41·5	+0·4 -0·4	56 55	3, 29 30/h	23 24·2h	40·8 40·9	1·8 1·9	7·3 7·3	84 83	1·36 1·36	-1·59 -1·59	2·07 2·07	+0·07 +0·07	26	
ABERDEEN, The Meteorological Office.	79 1007·9	29·763 4·67	38·4 41·5	-0·4 -0·4	55 55	30/h	26	40·9 41·6	1·9 1·3	7·3 8·0	84 89	1·36 1·36	-1·59 -0·86	2·07 0·86	-0·10 -0·65	10	
PASLEY, John Woodrow, The Coats Observatory.	106 1009·3	29·806 4·60	38·1 42·1	-0·2 -0·2	54 54	3·2d 3d	27 23·2d	41·6 41·6	1·3 1·2	8·0 8·1	89 90	2·0 2·0	-0·33 -0·34	0·86 0·61	** **	7	
GREENOCK, J. MACALISTER, M.Inst. G.C.E., Greenock Waterworks.	199 1009·7	29·815 4·69	38·5 42·7	+0·2 +0·2	53 53	29/h	20	23·2d 41·6	1·2 1·2	8·1 8·1	90 90	2·0 2·0	-0·34 -0·34	0·61 0·61	** **	7	
KIRKCALDY, The Medical Officer of Health.	63 ..	47·3 47·3	35·0 41·1	-1·2 -1·2	53 53	5/h	26	24·25 41·6	2·1 2·1	7·4 7·4	82 82	1·7 1·7	2·40 2·40	.. ..	.. ..	.. ..	
KILMARNOCK, W. DUBBAR, C.E.	132 ..	46·4 46·4	34·7 40·5	-1·1 -1·1	53 53	3·2d 25	25	28·6 39·8	1·0 1·0	7·6 7·6	91 91	2·2 2·2	3·97 0·20	1·11 1·11	-0·44 -0·44	13	
AYR, The Medical Officer of Health.	43 ..	47·6 47·6	25·4 41·5	.. ..	53 53	2, 3 29, 30	24 23, 23	42·0 42·0	1·2 1·2	8·5 9·0	90 90	1·7 1·7	2·76 2·76	.. ..	1·34 1·34	.. ..	
DUNFERMLINE, The Carnegie Dunfermline Trust.	237 ..	45·1 35·3	40·2 25	.. ..	52 52	3, 29 25	25	24·2h 39·7	1·0 1·0	7·6 7·6	91 91	1·9 1·9	2·59 2·59	.. ..	1·23 1·23	.. ..	
PERTH, J. RITCHIE, The Museum.	76 1009·5	29·811 4·66	34·0 39·8	-0·6 -0·6	55 55	29/h	24	23·2d 38·5	1·3 1·3	7·1 7·1	88 88	1·6 1·6	2·22 0·66	1·33 1·33	-0·63 -0·63	16	
Means	146	1009·1 29·799	46·3 36·3	41·3 -0·4	.. ..	.. ..	.. ..	40·8 40·8	1·4 1·4	7·7 7·7	87 87	18 18	2·92 2·92	-0·51 -0·51	1·35 1·35	-0·31 -0·31	16

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North Latitude.—Glasgow, 55° 52'; Edinburgh, 56° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 56'; Perth, 56° 24'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 56'; Aberdeen, 2° 6'; Paisley, 4° 26'; Greenock, 4° 46'; Perth, 3° 36'.

\* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Glasgow, Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Aberdeen at 7h. and 18h.

† As from Jan. 1935 barometer readings have been reduced to standard gravity at 45°, and pressure is expressed in latitude 45°, and inches) and inches.

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## MONTHLY RETURN

OF THE

# Births, Deaths, and Marriages

IN

## Sixteen of the Principal Towns of Scotland

DECEMBER 1936.

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### REPORT

During the month of December 1936 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,824 living children, of whom 1,912 were males and 1,912 were females. Compared with the number in the previous month, births of male children are 37 more, of female children 186 more, and of children of both sexes 223 more. The monthly birth-rate in these towns taken collectively was 17·7 per thousand. This rate is 0·4 more than that for the previous month, but is 0·1 below the average.

In the individual towns the monthly birth-rate ranged from 22·4 in Hamilton, 20·7 in Kilmarnock and 20·3 in Greenock, to 13·2 in Kirkcaldy, 15·2 in Edinburgh and 16·1 in Clydebank. In Coatbridge the rate was 19·4, in Paisley 19·3, in Dundee 19·0, in Glasgow 18·3, in Aberdeen 17·9, in Motherwell and Wishaw 17·6, in Ayr 17·6, in Perth 16·9, in Dunfermline 16·6 and in Falkirk 16·2.

Of the 3,824 living children whose births were registered during the month, 3,593 or 94·0 per cent. were legitimate, while 231 or 6·0 per cent. were illegitimate. The legitimate children numbered 178 more than in the previous month, and the illegitimate children 45 more. The illegitimate rate for the month is 0·8 above that for the previous month. In the individual towns it ranged from 9·4 in Dundee, 8·0 in Kirkcaldy and 7·8 in Perth, to 2·7 in Hamilton, 2·8 in Coatbridge and 2·9 in Greenock. In Glasgow the rate was 5·9 and in Edinburgh 6·3.

Marriages registered during the month numbered 2,321 and are 786 more than in the previous month. The marriage-rate, 10·8 per thousand, is 3·4 above that for the previous month, and 0·7 above the average. In the individual towns it ranged from 15·2 in Perth 13·3 in Kilmarnock and 12·0 in Aberdeen, to 5·5 in Kirkcaldy, 7·5 in Motherwell and Wishaw and 9·1 in Dundee. In Glasgow the rate was 11·1 and in Edinburgh 10·0.

Deaths registered in these towns during the month numbered 3,501 and are 277 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of

*NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.*

EDINBURGH

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persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,213, of whom 1,673 were males and 1,540 were females. The corrected number is 274 more than in the previous month, males being 204 more and females 70 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 14·9 per thousand, being 0·8 above that for the previous month, but 0·7 below the average. In the towns taken individually the death-rate ranged from 18·2 in Dunfermline, 17·9 in Perth and 16·5 in Greenock, to 12·6 in Paisley, 13·1 in Clydebank and 13·1 in Falkirk. In Kirkcaldy the rate was 15·8, in Glasgow 15·7, in Dundee 15·1, in Kilmarnock 15·1, in Edinburgh 14·1, in Coatbridge 13·7, in Motherwell and Wishaw 13·5, in Hamilton 13·5, in Aberdeen 13·2 and in Ayr 13·2.

Deaths of children of less than one year old numbered 408, and equalled an infantile mortality rate of 102 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 12 more than in the previous month, while the rate is the same as in that month but 7 below the average. In the individual towns this rate ranged from 170 in Kirkcaldy, 160 in Kilmarnock and 143 in Falkirk, to 41 in Dunfermline, 48 in Ayr and 55 in Clydebank. In Glasgow it was 125, in Greenock 123, in Perth 111, in Dundee 100, in Hamilton 95, in Paisley 84, in Coatbridge 75, in Motherwell and Wishaw 64, in Edinburgh 59, and in Aberdeen 58.

Deaths from the principal epidemic diseases numbered 124 and equalled a death-rate of 0·6 per thousand. These deaths are 21 more than in the previous month, and the rate is 0·1 more. They include none from typhoid fever, none from measles, 6 from scarlet fever, 40 from whooping-cough, 22 from diphtheria, 38 from influenza, 5 from cerebro-spinal fever, and 13 from other epidemic diseases, 2 of which were ascribed to dysentery, 9 to erysipelas, 1 to acute poliomyelitis, and 1 to lethargic encephalitis. Compared with the number in the previous month deaths from scarlet fever are 3 fewer, from whooping-cough 13 more, from diphtheria 3 more, from influenza 15 more, from cerebro-spinal fever 1 fewer, and from other epidemic diseases 6 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 611, and equalled a death-rate of 2·8 per thousand. Compared with the number in the previous month these deaths are 141 more, while the rate is 0·5 more but is 0·5 below the average.

Deaths from all forms of tuberculosis numbered 192, of which 157 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 5 more, and those from respiratory tuberculosis 11 more. Compared with the average the former are 4 fewer and the latter 2 fewer.

## METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

DECEMBER 1936.

Mean barometric pressure, 29·818 ins.; greater than the average\* by 0·047 in.

Mean temperature, 41°·2 F.; greater by 1°·8 F.

Mean daily range of temperature, 10°·1 F.; greater by 1°·4 F.

Mean daily sunshine, 0·96 hour; greater by 0·04 hour.

Rain, depth in inches, 4·26; greater by 0·59 in.

Wind, direction of: a six days' excess of south and south west winds.

The opening days of the month were characterised by strong winds or gales from the west accompanied by a good deal of snow or sleet, especially in northern

\* The averages or normals in the case of pressure and rainfall refer to the period 1881-1915, and in the case of temperature and sunshine to the period 1901-30.

and western districts. The passage of a series of depressions to the north of Great Britain resulted in dull and rainy conditions over Scotland until the 9th, when a wedge of high pressure extended over the British Isles and fair weather set in. On the 11th a trough of low pressure over north-west Scotland and Ireland moved slowly south-east and rain spread over all districts. An intense depression travelling north-east passed up our western coasts on the 13th and 14th causing severe southerly gales with heavy precipitation in the west. A brief interval of fair weather on the 15th was succeeded by a renewal of severe southerly or south-westerly gales over the whole of Scotland on the 16th. Squally weather with a good deal of rain in all districts continued for several days. A large anticyclone to the south-west of the British Isles brought improved conditions on the 23rd. Cloudy weather with fair intervals and some high temperatures for the time of year was experienced over the Christmas period. Fog or mist developed with anticyclonic conditions on the 27th and 28th. Strong winds or gales, associated with a depression south of Iceland, were renewed at the end of the month.

The mean temperature of the month was everywhere above normal, the excess amounting to 2 degrees or more in the central districts. Many places in the south recorded shade maxima exceeding 50° F. on the 17th, and this value was reached over a wide area in the north on the 30th and 31st. The highest temperatures of the month were 58° F. at Stonehaven on the 19th and 56° F. at Onich on the 30th and at Gordon Castle and Ayr on the 31st. The lowest temperatures of the month occurred in all districts on the 7th, when the extreme minima were 11° F. at Dalwhinnie, 12° F. at Peebles, 16° F. at Ruthwell (Dumfries) and Balmoral, and 17° F. at Wolflees (Roxburgh), Eskdalemuir, Braemar and Dungavel (Lanarkshire). The most severe ground frosts registered were 9° F. at Dalwhinnie, Balmoral and Braemar and 10° F. at Peebles, all on the 7th.

The duration of sunshine was generally in excess of the normal over the eastern half of Scotland and deficient in the western half. The largest durations reported were 65 hours at Craibstone (Aberdeen), 58 hours at Forres and 56 hours at Dundee and Dunbar. Upwards of 50 hours were also recorded at Edinburgh, Leuchars, Aberdeen and Stonehaven. In the least sunny areas in the west the total duration of sunshine was well under 10 hours. None at all occurred at Rothesay in the three weeks ending December 26th, and the total for the month was only 1 hour at Fort William and 3 hours at Onich.

The rainfall too differed appreciably from the normal, being below average in the east and extreme south-west and above average elsewhere. The greatest deficiency occurred in Aberdeenshire, which had about half its normal rainfall, and the greatest excess (about 80 per cent.) was in Western Argyll and parts of Inverness-shire, where several stations reported totals exceeding 20 inches. Daily falls exceeding an inch occurred in all districts and were particularly numerous on the 13th. The heaviest falls were on the 19th, when 4·87 inches was recorded at Achnacarry, 4·20 at Glendessary and Kinlochquoich, 4·10 at Fort William (all in Inverness shire) and 4·19 at Ardgour (Argyll). Heavy falls also occurred on the 20th, one exceeding 4 inches, viz. 4·48 at Ceannacroc Lodge (Inverness).

Snow was reported on every day up to the 22nd except the 9th and 20th. None fell in the last 9 days of the month. The falls were widespread in the first week and heaviest from the 4th to 6th, when roads in the north and west were blocked. Hail was reported locally from 1st to 8th, 12th to 22nd, and on the 31st.

Fog occurred on 17 days. The Clyde area was principally affected. No reports were received from places north of Perth.

Gales were reported on 21 days and were of greatest severity in the first week and around the middle of the month. Wind speeds exceeding 90 m.p.h. were registered at Tiree on the 4th, 16th and 17th.

Thunder occurred on 8 days, the storm on the 16th being experienced over a wide area in the south and west counties.

Aurora was observed at northern stations on 5 nights.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 96.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, DECEMBER 1936.

TOWNS.	POPULATION.		BIRTHS.				MARRIAGES.				DEATHS.					
	Census 1931.	Estimated to middle of 1936. (Pro- visional.)	Both Sexes.		Males.	Females.	Legiti- mate.	Illegiti- mate.	Both	REGISTERED Sexes.	Males.	Females.	TRANSFERS (Both Sexes.)	Out.	In.	Corrected for Transfers (Both Sexes)
			Both Sexes.	Males.	Females.	Legiti- mate.	Illegiti- mate.	Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes)	Out.	In.	Corrected for Transfers (Both Sexes)
GLASGOW, .	1,088,524	1,124,300	1740	893	847	1637	103	1061	1629	895	734	170	35	1494		
EDINBURGH, .	439,010	464,600	599	290	309	561	28	394	645	319	326	102	10	553		
DUNDEE, .	175,681	178,700	288	138	150	261	27	138	246	135	111	29	11	228		
ABERDEEN, .	169,803	176,400	268	124	144	248	20	170	237	102	125	43	13	197		
PAISLEY, .	86,445	89,700	147	76	71	140	7	90	96	46	50	17	17	96		
GREENOCK, .	78,949	80,200	138	73	65	134	4	81	117	61	56	8	3	112		
MOTHERWELL AND WISHAW, .	64,710	66,400	99	44	55	95	4	42	66	36	30	2	12	76		
CLYDEBANK, .	46,952	48,500	66	34	32	64	2	39	31	15	16	3	3	26	54	
KIRKCALDY, .	43,874	44,700	50	25	25	46	4	21	59	37	22	3	4	60		
COATBRIDGE, .	43,056	43,800	72	37	35	70	2	41	48	27	21	3	6	51		
KILMARNOCK, .	38,681	39,900	70	38	32	65	5	45	55	26	29	9	5	51		
HAMILTON, .	37,990	38,400	73	39	34	71	2	38	34	19	15	1	11	44		
AYR, .	38,905	40,300	60	33	27	58	2	38	67	39	28	24	2	45		
FALKIRK, .	36,566	38,000	52	24	28	48	4	37	57	24	33	17	2	42		
DUNFERMLINE, .	35,058	36,300	51	21	30	48	3	31	67	30	37	17	6	56		
PERTH, .	35,051	35,700	51	23	28	47	4	46	57	28	29	7	4	54		
TOTAL (SIXTEEN TOWNS)	2,459,255	2,546,000	3824	1912	1912	3593	231	2321	3501	1939	1662	455	167	3213		

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, DECEMBER 1936.

TOWNS.	Birth- Rate per 1000 of Popula- tion.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popula- tion.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Respira- tory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Transf- fers.						
GLASGOW, .	18.3	5.9	11.1	17.1	15.7	0.6	1.0	0.9	3.5	236	125
EDINBURGH, .	15.2	6.3	10.0	16.4	14.1	0.5	0.9	0.7	2.4	37	59
DUNDEE, .	19.0	9.4	9.1	16.3	15.1	0.5	1.1	0.9	2.7	27	100
ABERDEEN, .	17.9	7.5	12.0	15.2	13.2	0.5	0.4	0.3	1.3	15	58
PAISLEY, .	19.3	4.8	11.8	12.6	12.6	0.8	0.4	0.4	2.0	12	84
GREENOCK, .	20.3	2.9	11.9	17.2	16.5	0.9	1.2	0.9	2.4	17	123
MOTHERWELL AND WISHAW, .	17.6	4.0	7.5	11.7	13.5	0.7	0.9	0.7	2.5	7	64
CLYDEBANK, .	16.1	3.0	9.5	7.5	13.1	0.2	0.7	0.7	2.9	4	55
KIRKCALDY, .	13.2	3.0	5.5	15.6	15.8	0.8	0.8	0.8	1.1	9	170
COATBRIDGE, .	19.4	2.8	11.0	12.9	13.7	1.3	0.5	0.5	3.0	7	75
KILMARNOCK, .	20.7	7.1	13.3	16.3	15.1	0.6	0.9	0.9	3.6	12	160
HAMILTON, .	22.4	2.7	11.7	10.5	13.5	0.6	0.6	0.3	2.8	7	95
AYR, .	17.6	3.3	11.1	19.6	13.2	0.9	0.0	0.0	1.8	3	48
FALKIRK, .	16.2	7.7	11.5	17.7	13.1	0.3	0.3	0.3	2.8	8	143
DUNFERMLINE, .	16.6	5.9	10.1	21.8	18.2	0.7	1.0	0.7	2.0	2	41
PERTH, .	16.9	7.8	15.2	18.8	17.9	0.7	1.3	1.3	4.3	5	111
TOTAL (SIXTEEN TOWNS)	17.7	6.0	10.8	16.2	14.9	0.6	0.9	0.7	2.8	408	102

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR DECEMBER 1936, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate, (2)	Illegitimate Birth- rate per 100 Births. (3)	Marriage-Rate, (4)	Death-Rate, (5)	DEATHS FROM										Infantile Mortality Rate. (14)	Mean Temperature. (15)
					*Typhoid Fever. (6)	Measles. (7)	Scarlet Fever. (8)	Whooping- Cough. (9)	Diphtheria. (10)	Influenza. (11)	Cerebro- spinal Fever. (12)	Other Epidemic Diseases. (13)				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		
DEC. 1936,	17.7	6.0	10.8	14.9	0	0	6	40	22	38	5	13	102	41°.2		
DEC. 1935,	17.5	6.9	12.2	16.7	7	8	10	12	23	48	6	21	125	36°.0		
DEC. 1934,	17.1	5.3	11.3	14.6	0	22	10	52	24	81	9	24	100	44°.6		
DEC. 1933,	17.5	6.6	9.1	14.6	0	0	24	14	13	40	10	21	91	38°.9		
DEC. 1932,	18.3	5.3	8.9	18.0	3	1	14	72	28	280	16	10	129	42°.3		
DEC. 1931,	18.6	6.0	9.1	14.1	1	147	5	21	19	27	16	14	100	43°.0		
DEC. 1930,	20.3	6.1	10.1	16.6	0	8	5	43	40	42	9	23	136	39°.7		
DEC. 1929,	18.8	6.8	10.6	14.3	3	51	13	15	31	25	10	11	93	40°.9		
DEC. 1928,	19.5	6.7	10.0	14.1	0	2	6	23	24	49	10	22	96	38°.6		
DEC. 1927,	20.3	6.6	9.3	18.2	2	193	9	49	51	60	11	14	146	35°.7		
DEC. 1926,	20.6	6.4	8.6	14.9	2	12	21	18	39	42	11	21	118	40°.4		

Figures in columns 5-14 have been corrected for non-resident deaths.

\* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

### AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
					-1	1	5	10	15	25	35	45	55	65		
1	Typhoid Fever (including Paratyphoid)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever	-	-	-	6	4	2	4	1	1	-	-	-	-	-	
6	Whooping-cough	-	-	-	40	16	24	20	18	2	-	-	-	-	-	
7	Diphtheria	-	-	-	22	10	12	1	5	12	3	-	-	-	-	
8	Influenza	-	-	-	38	24	14	-	-	1	1	1	5	6	9	
14 (1)	Cerebro-spinal Fever	-	-	-	5	3	2	2	2	1	-	-	-	-	-	
14 (2)	Other Epidemic Diseases (2, 3, 9)*	-	-	13	9	4	1	1	1	-	-	1	3	3	3	
10	Tuberculosis of Respiratory System	-	157	78	79	-	5	2	2	38	41	26	24	13	6	
11	Other Tuberculous Diseases	-	-	35	23	12	4	7	6	1	4	7	3	1	1	
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	10	6	4	1	1	-	-	-	1	1	-	3	2	1	
15	Cancer, Malignant Disease	-	349	188	161	-	-	-	-	-	5	23	44	105	103	
18	Diabetes Mellitus	-	-	35	13	22	-	-	1	1	-	2	5	7	15	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	62	19	43	3	4	-	2	5	7	4	7	13	11	6	
22	Cerebral Haemorrhage, &c.	-	-	278	120	158	-	1	-	1	2	6	17	49	101	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	78	41	37	18	5	1	3	3	7	7	15	10	7	2	
24	Heart Disease	-	-	631	328	303	-	1	3	8	16	20	49	142	204	
25	Other Circulatory Diseases	-	-	56	35	21	-	1	-	1	1	2	13	10	21	
26	Bronchitis	-	-	214	116	98	14	2	-	4	1	15	19	27	63	
27	Pneumonia (all forms)	-	-	356	201	155	122	50	6	4	7	10	23	41	39	
28	Other Respiratory Diseases	-	-	41	19	22	2	4	-	1	1	5	4	14	9	
32 (1)	Gastric and Duodenal Ulcer	-	-	38	27	11	-	-	-	1	3	2	6	6	12	
29	Diarrhoea, &c. (all ages)	-	-	55	35	20	36	6	1	1	1	-	2	1	5	
30	Appendicitis	-	-	14	7	7	-	2	-	1	3	3	4	-	-	
31 (1)	Cirrhosis of Liver	-	-	12	8	6	-	1	-	-	-	2	4	4	-	
31 (2)	Other Diseases of Liver, &c.	-	-	12	5	7	-	-	-	1	-	1	2	4	3	
32 (2)	Other Digestive Diseases	-	-	46	19	27	5	4	1	1	2	4	4	9	8	
33	Acute and Chronic Nephritis	-	-	69	30	39	-	-	-	3	4	5	14	15	20	
34	Other Dis. of Genito-Urinary System	-	-	47	29	18	-	1	-	1	1	6	4	10	9	
35	Puerperal Sepsis	-	-	10	-	10	-	-	-	5	3	2	-	-	-	
36	Other Puerperal Causes	-	-	11	-	11	-	-	-	2	3	6	-	-	-	
37	Diseases of Skin and Locomotor System	-	-	25	16	9	4	-	2	1	1	3	4	3	1	
38	Congen. Debil., Prem. Birth, Malform., &c.	166	84	82	165	1	-	-	-	-	-	-	-	-	-	
39	Old Age	-	-	90	36	54	-	-	-	-	-	-	-	-	12	
40	Suicide	-	-	28	21	7	-	3	4	7	1	1	2	9	10	
42	Other Violence (41)	-	-	107	65	42	8	7	3	4	7	6	9	15	17	
43	Causes Ill-defined or Unknown	-	-	57	40	17	2	-	-	-	1	1	9	16	18	
	ALL CAUSES	-	-	3213	1673	1540	408	130	41	29	101	130	182	285	530	694
															552	
															131	

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—December 1936.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	...	6	2	...	1	...	2	...	...
6	Whooping-cough	...	40	23	8	1	...	1	1	1
7	Diphtheria	...	22	5	7	...	4	1	...	1
8	Influenza	...	38	17	1	1	2	2	3	2
14 (1)	Cerebro-spinal Fever	...	5	2	...	1	...	...	1	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	13	4	3	3	1	...	1	1
10	Tuberculosis of Respiratory System	...	157	81	26	13	5	3	6	4
11	Other Tuberculous Diseases	...	35	17	8	4	1	...	2	1
14 (3)	Oth. Infectious and Parasitic Dis.(12, 13)	10	4	2	2	1	...	...	...	...
15	Cancer, Malignant Disease	...	349	140	68	32	26	14	13	10
18	Diabetes Mellitus	...	35	16	4	1	4	1	...	4
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	62	27	17	3	3	3	1	3	1
22	Cerebral Haemorrhage, &c.	...	278	114	59	23	20	9	5	3
23	Oth. Dis. of Nerv. Syst. and Sense Org.(21)	78	30	13	5	6	3	7	2	2
24	Heart Disease	...	631	282	128	40	42	17	14	19
25	Other Circulatory Diseases	...	56	18	14	2	5	...	1	2
26	Bronchitis	...	214	105	41	18	6	6	7	5
27	Pneumonia (all forms)	...	356	204	44	21	11	7	9	8
28	Other Respiratory Diseases	...	41	21	9	2	2	2	...	1
32 (1)	Gastric and Duodenal Ulcer	...	38	16	10	2	...	3	1	2
29	Diarrhoea, &c. (all Ages)	...	55	33	4	4	3	1	1	1
30	Appendicitis	...	14	6	1	2	3	...	...	1
31 (1)	Cirrhosis of Liver	...	12	5	...	...	4	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	12	7	2	1	1	...	...	...
32 (2)	Other Digestive Diseases	...	46	23	7	2	2	3	3	...
33	Acute and Chronic Nephritis	...	69	34	7	6	6	3	4	...
34	Oth. Diseases of Genito-Urinary System	47	14	11	9	6	...	4	...	...
35	Puerperal Sepsis	...	10	4	1	1	1	...	...	...
36	Other Puerperal Causes	...	11	8	1	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	25	15	4	...	1	...	3	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	...	166	76	22	13	8	7	8	1
39	Old Age	...	90	38	7	10	8	4	3	1
40	Suicide	...	28	10	5	3	1	2	...	1
42	Other Violence (41)	...	107	53	19	2	9	4	9	2
43	Causes Ill-defined or Unknown	...	57	40	...	...	4	...	2	3
	All Causes	...	3213	1494	553	228	197	96	112	76
	AGE AT DEATH.									
	Under 1	...	408	236	37	27	15	12	17	7
	1-4	...	130	72	12	7	7	6	3	4
	5-9	...	41	17	9	...	3	3	3	...
	10-14	...	29	14	4	4	1	...	1	1
	15-24	...	101	47	17	9	2	2	6	4
	25-34	...	130	63	24	9	4	2	4	3
	35-44	...	182	93	26	8	14	7	6	3
	45-54	...	285	137	51	11	17	11	11	6
	55-64	...	530	249	92	45	33	15	17	12
	65-74	...	694	314	133	51	42	21	23	13
	75-84	...	552	213	117	42	46	12	17	22
	85 and over	...	131	39	31	15	13	5	4	1
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages	...	3213	1494	553	228	197	96	112	76

\* See note (†), Table III.

## DEATHS IN EACH TOWN (corrected for Transfers)—December 1936—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.								Perth.
	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.		
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	...	...	...	...	...	...	...
5	Scarlet Fever	1	...	...	...	...	...	...	...
6	Whooping-cough	...	2	...	...	...	2	...	...
7	Diphtheria	1	1	...	...	1	1	1	...
8	Influenza...	1	2	...	...	...	...	2	...
14 (1)	Cerebro-spinal Fever	...	...	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	...	3	2	3	1	1	4
10	Tuberculosis of Respiratory System	3	2	...	...	1	...	2	1
11	Other Tuberculous Diseases	...	...	...	...	1	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	1
15	Cancer, Malignant Disease	5	7	2	2	5	3	6	10
18	Diabetes Mellitus	...	...	...	...	1	...	3	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	2	1	2	...	2	...	...
22	Cerebral Hæmorrhage, &c.	8	5	4	4	8	2	4	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	2	1	2	...	3	2	...
24	Heart Disease	9	7	10	8	9	9	19	7
25	Other Circulatory Diseases	4	...	...	1	1	3	1	1
26	Bronchitis	2	...	5	4	2	3	3	4
27	Pneumonia (all forms)	2	11	7	2	4	5	3	9
28	Other Respiratory Diseases	...	...	...	3	...	1	...	...
32 (1)	Gastric and Duodenal Ulcer	1	...	...	1	1	...	1	...
29	Diarrhoea, &c. (all Ages)	1	...	3	...	1	...	...	2
30	Appendicitis	...	...	...	...	1	...	...	...
31 (1)	Cirrhosis of Liver	...	...	1	...	1	...	...	1
31 (2)	Other Diseases of Liver, &c.	...	...	...	...	...	...	...	1
32 (2)	Other Digestive Diseases	...	...	...	1	1	1	2	...
33	Acute and Chronic Nephritis	2	1	...	...	1	2	2	1
34	Oth. Diseases of Genito-Urinary System	2	...	...	...	...	...	1	...
35	Puerperal Sepsis	...	1	...	1	...	...	...	1
36	Other Puerperal Causes	...	1	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	1	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	...	7	3	6	4	3	3	2
39	Old Age	...	6	2	...	2	2	3	1
40	Suicide	...	2	...	1	1	...	...	1
42	Other Violence (41)	...	1	1	4	...	1	...	...
43	Causes Ill-defined or Unknown	1	...	1	1	1	...	1	...
	All Causes	...	60	51	51	44	45	42	56
	AGE AT DEATH.								
Under 1	...	...	9	7	12	7	3	8	2
1-4	...	...	2	4	1	1	5	...	2
5-9	...	...	...	1	...	1	...	1	...
10-14	...	...	...	...	...	2	1	...	...
15-24	...	2	4	3	3	...	...	...	...
25-34	...	...	3	4	2	1	...	4	3
35-44	...	3	3	5	3	...	4	2	4
45-54	...	7	5	5	1	7	4	7	1
55-64	...	5	7	8	9	5	4	9	9
65-74	...	10	9	10	8	10	10	20	8
75-84	...	18	6	3	5	11	9	7	14
85 and over	...	4	2	...	2	2	2	5	6
Not stated	...	...	...	...	...	...	...	...	...
	All Ages	...	60	51	51	44	45	42	56

\* See note (†), Table III.

*Abstract of Meteorological Observations.*

**ABSTRACT OF METEOROLOGICAL OBSERVATIONS  
Made at Eleven of the Principal Towns during the Month of DECEMBER 1936.**

OBSERVERS.	AIR PRESSURE* MEAN SEA LEVEL. <sup>†</sup>	AIR TEMPERATURE.			HYGROMETER.*			RAIN, AND OTHER FORMS OF PRE- CIPITATION.			BRIGHT SUNSHINE.				
		Mean of A and B (Mean Tem- perature).		Absolute Maximum and Minimum.	Mean of Vapour Pressure.	Humidity.	Hours per Day.		Daily Mean.	Difference from Average.	Per Cent. of Possible.				
		Maximum (A.)	Minimum (B.)	Day of Month.	Depression of Wet Bulb.	Dry Bulb.	Total Fall.	Number of Days.	Difference from Average.	inches.	inch. 5.12	inch. 0.97			
GLASGOW, Professor J. R. CURRIE, M.D., The University.	1010.6 29.843	46.4 37.5	• F. • F.	° F. ° F.	• F. • F.	° F. ° F.	26 7th	26 7th	8.0 7.1	88 81	28 19	0.26 1.95	-0.20 -0.39	4 23	
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	1010.1 29.830	46.4 37.0	41.7 +2.2	41.7 +2.2	53 64	17th 24	17th 24	40.9 7th	21 7.0	1.4 1.9	88 83	1.03 1.79	+0.26 +0.30	25	
DUNDEE, College Gardens.	1008.8 29.790	44.8 36.4	40.6 +2.1	40.6 +2.1	52 52	20, 31 25	20, 31 25	39.7 7th	1.9 6.7	1.9 8.0	88 80	2.29 1.78	-0.37 -1.24	96	
ABERDEEN, The Meteorological Office.	1007.3 29.746	45.4 36.3	40.9 +1.5	40.9 +1.5	54 54	24th 27	24th 27	40.5 7th	2.3 6.7	1.7 8.0	88 80	1.98 1.65	+0.47 +0.47	25	
Paisley John Woodrow, The Coats Observatory.	1010.3 29.836	46.3 37.7	42.0 +2.0	42.0 +2.0	53 53	17th 23	17th 23	41.6 7th	1.3 8.1	1.3 8.1	88 83	6.18 1.13	0.49 -0.38	7	
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	1010.6 29.840	46.4 36.9	41.7 +1.6	41.7 +1.6	53 53	17th 25	17th 25	41.2 7th	1.7 7.5	1.7 7.5	88 85	9.90 2.7	+2.01 0.22	3	
KIRKCALDY, The Medical Officer of Health.	63 ...	46.3 ...	33.9 +0.2	40.1 +0.2	54 54	20th 25	20th 25	6.7 7th	40.4 2.1	6.8 7.5	88 85	2.10 2.7	.. ..	..	
KILMARNOCK, W. DUNBAK, C.E.	132 ...	46.7 ...	35.8 +1.5	41.3 ..	53 66	17th 31st	17th 23	7.8 7th	40.8 43.5	1.0 1.3	91 89	6.11 8.9	+1.84 0.59	-0.31	
AYR, The Medical Officer of Health.	43 ...	48.2 ...	27.9 ...	43.1 ...	.. 66	17th 23	17th 23	7.2 7th	39.2 43.5	1.1 1.3	90 89	2.80 2.1	1.20 4.38	7	
DUNFERMLINE, The Carnegie Dunfermline Trust.	237 ...	45.0 ...	32.0 ...	38.5 ...	.. 53	17th 22	17th 22	7.2 7th	39.2 38.7	1.1 1.2	90 89	19 17	2.80 4.00	.. +0.77	17
PERTH, J. Ritchie, The Museum.	76 1010.6	29.843 29.818	46.8 46.2	36.1 41.2	+1.8 ..	.. ..	.. ..	40.7 7th	1.6 7.4	7.4 8.6	86 81	4.26 0.96	+0.59 +0.14	19	
Means	146	1009.7	29.818	46.2	36.1	41.2	+1.8	..	..	..	86	21	+0.04	14	

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North Latitude.—Glasgow,  $56^{\circ} 52'$ ; Edinburgh,  $56^{\circ} 55'$ ; Dundee,  $56^{\circ} 28'$ ; Aberdeen,  $57^{\circ} 9'$ ; Paisley,  $55^{\circ} 51'$ ; Greenock,  $55^{\circ} 56'$ ; Perth,  $56^{\circ} 24'$ ; Mean,  $56^{\circ} 14'$ . West Longitude.—Glasgow,  $4^{\circ} 17'$ ; Edinburgh,  $3^{\circ} 11'$ ; Dundee,  $2^{\circ} 58'$ ; Aberdeen,  $2^{\circ} 6'$ ; Paisley,  $4^{\circ} 26'$ ; Greenock,  $4^{\circ} 46'$ ; Perth,  $8^{\circ} 27'$ ; Mean,  $8^{\circ} 36'$ .

\* At Edinburgh at 7h, and 18h.